- 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....: M111319a02.D
Dataname.....: 87PCB032819M
Analyzed.....: 11/13/2019 11:20

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

CCV Level..: 100 pg/uL
ICAL Date..: 11/12/2019

Datafile path....: J:\Organics\Minerva\MINERVA 2019 DATA\M111319PCBDW\M111319a02.D
DP Method path...: J:\Organics\Minerva\Methods\M111219PCB1260.M

PCB 1016/1260 Cont Cal 100 pg/uL

CAS #	Compound	RT	Exp RT	Area	Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate					Criteria range: <±20%D			
	tmx (1)	6.96	6.96	287460	10	9.87	-1.3	
	dcb	17.74	17.73	144506	10	12.1	21	> ±20%
	tmx (1) #2	4.71	4.71	985157	10	10.8	8.0	
	dcb #2	13.11	13.11	463622	10	11.2	12	
Target					Criteria range: <±20%D			
	1016 -1	7.57	7.57	44192	100	99.1	-0.90	
	1016-2	8.63	8.63	63475	100	106	5.9	
	1016-3	9.29	9.28	78532	100	104	4.0	
	1016-4	9.43	9.43	48966	100	102	2.3	
	1016-5	9.70	9.70	55678	100	110	10	
	1260-1	12.47	12.46	127331	100	130	30	> ±20%
	1260-2	12.90	12.90	145124	100	127	27	> ±20%
	1260-3	13.45	13.45	153183	100	125	25	> ±20%
	1260-4	14.71	14.71	171740	100	118	18	
	1260-5	15.29	15.29	85653	100	127	27	> ±20%
	1016 -1 #2	5.26	5.26	171689	100	112	12	
	1016-2 #2	5.71	5.71	292710	100	110	10	
	1016-3 #2	6.32	6.32	371120	100	103	3.3	
	1016-4 #2	6.49	6.49	214826	100	106	5.8	
	1016-5 #2	6.57	6.57	151926	100	104	3.6	
	1260-1 #2	8.80	8.80	353267	100	111	11	
	1260-2 #2	9.23	9.23	510040	100	109	8.8	
	1260-3 #2	9.67	9.67	414087	100	109	8.5	
	1260-4 #2	10.25	10.24	257640	100	111	11	
	1260-5 #2	10.76	10.76	526002	100	109	9.0	

Average %Difference:	%Diff	
1016 Column 1 (n=5)	4.3	
1016 Column 2 (n=5)	7.0	
1260 Column 1 (n=5)	25	>±20%
1260 Column 2 (n=5)	9.8	

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M111319PCBDW\
Data File : M111319a02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2019 11:20 am
Operator : DWOOD
Sample : 87PCB032819M
Misc : PCB 1016/1260 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: EVENTS1.E
Quant Time: Nov 14 10:08:44 2019
Quant Method : J:\Organics\Minerva\Methods\M111219PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Nov 12 15:48:19 2019
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)	6.960	4.713	287460	985157	9.874	10.798
12)	S2 dcb	17.736	13.107	144506	463622	12.092	11.184
	Target Compounds						
2)	L1 1016 -1	7.574	5.256	44192	171689	99.098	112.118
3)	L1 1016-2	8.632	5.713	63475	292710	105.864	110.303
4)	L1 1016-3	9.287	6.316	78532	371120	103.956	103.264
5)	L1 1016-4	9.429	6.488	48966	214826	102.330	105.846
6)	L1 1016-5	9.700	6.569	55678	151926	110.411	103.647
	Sum 1016 -1			290844	1202272	521.659	535.177
	Average 1016 -1					104.332	107.035
7)	L2 1260-1	12.465	8.796	127331	353267	130.073	111.399
8)	L2 1260-2	12.900	9.228	145124	510040	127.356	108.816
9)	L2 1260-3	13.448	9.667	153183	414087	124.751	108.535
10)	L2 1260-4	14.710	10.246	171740	257640	118.402	111.142
11)	L2 1260-5	15.291	10.759	85653	526002	126.910	108.968
	Sum 1260-1			683031	2061036	627.492	548.861
	Average 1260-1					125.498	109.772

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

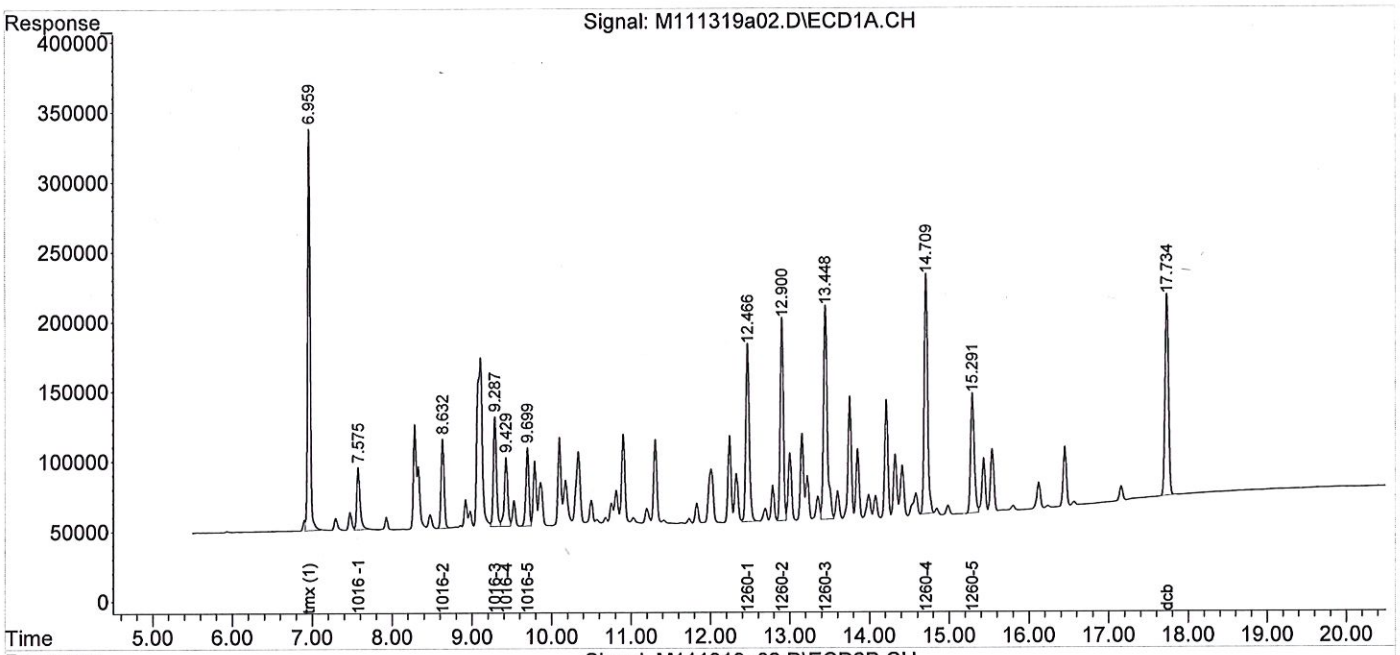
hw
12/16/19

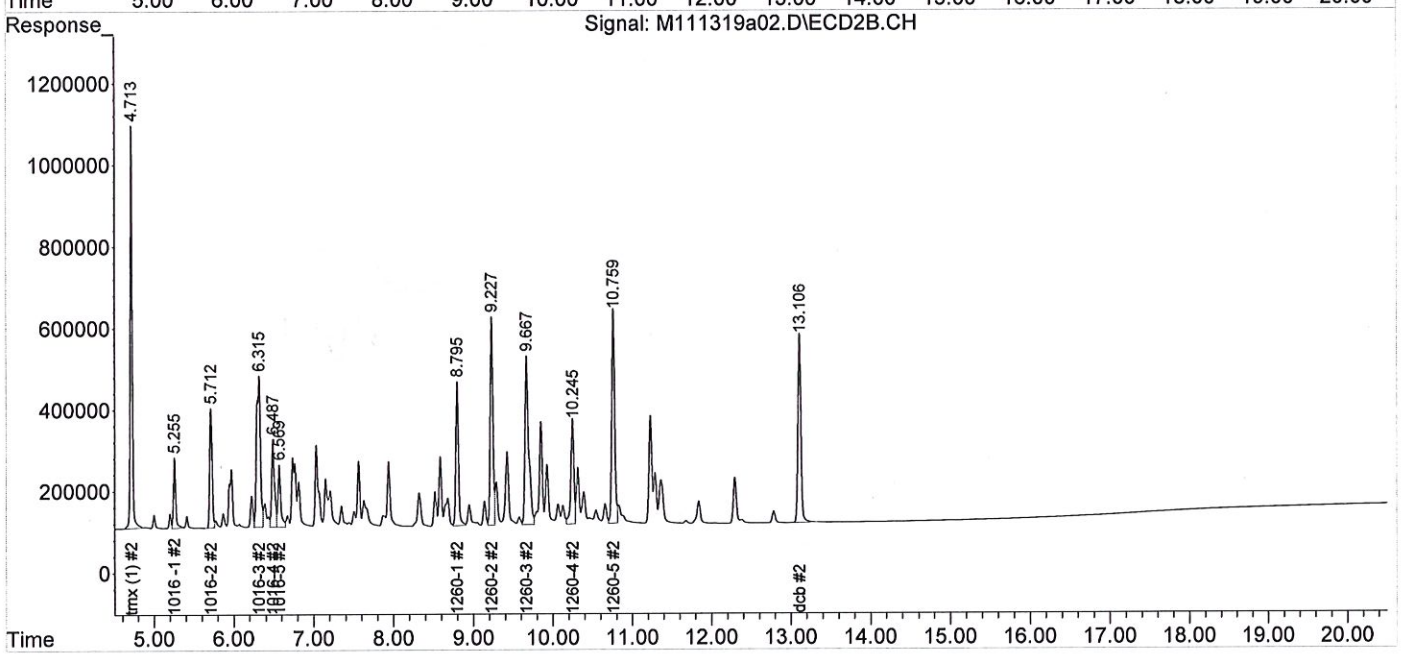
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M111319PCBDW\
Data File : M111319a02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2019 11:20 am
Operator : DWOOD
Sample : 87PCB032819M
Misc : PCB 1016/1260 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: EVENTS1.E
Quant Time: Nov 14 10:08:44 2019
Quant Method : J:\Organics\Minerva\Methods\M111219PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Nov 12 15:48:19 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M111319PCBDW\
Data File : M111319a02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2019 11:20 am
Operator : DWOOD
Sample : 87PCB032819M
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

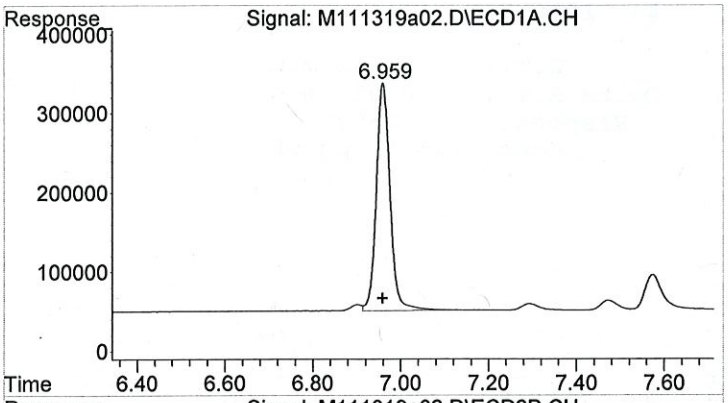
Integration File signal 1: EVENTS1.E
Integration File signal 2: EVENTS1.E
Quant Time: Nov 14 10:08:44 2019
Quant Method : J:\Organics\Minerva\Methods\M111219PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Nov 12 15:48:19 2019
Response via : Initial Calibration
Integrator: ChemStation 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)	6.960	4.713	287460	985157	9.874	10.798
12) S2 dcb	17.736	13.107	144506	463622	12.092	11.184
Target Compounds						
2) L1 1016 -1	7.574	5.256	44192	171689	99.098	112.118
3) L1 1016-2	8.632	5.713	63475	292710	105.864	110.303
4) L1 1016-3	9.287	6.316	78532	371120	103.956	103.264
5) L1 1016-4	9.429	6.488	48966	214826	102.330	105.846
6) L1 1016-5	9.700	6.569	55678	151926	110.411	103.647
Sum 1016 -1			290844	1202272	521.659	535.177
Average 1016 -1					104.332	107.035
7) L2 1260-1	12.465	8.796	127331	353267	130.073	111.399
8) L2 1260-2	12.900	9.228	145124	510040	127.356	108.816
9) L2 1260-3	13.448	9.667	153183	414087	124.751	108.535
10) L2 1260-4	14.710	10.246	171740	257640	118.402	111.142
11) L2 1260-5	15.291	10.759	85653	526002	126.910	108.968
Sum 1260-1			683031	2061036	627.492	548.861
Average 1260-1					125.498	109.772

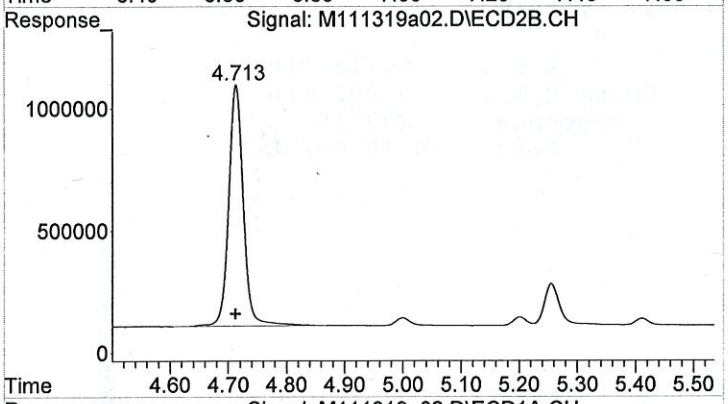
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

MW
11/15/19



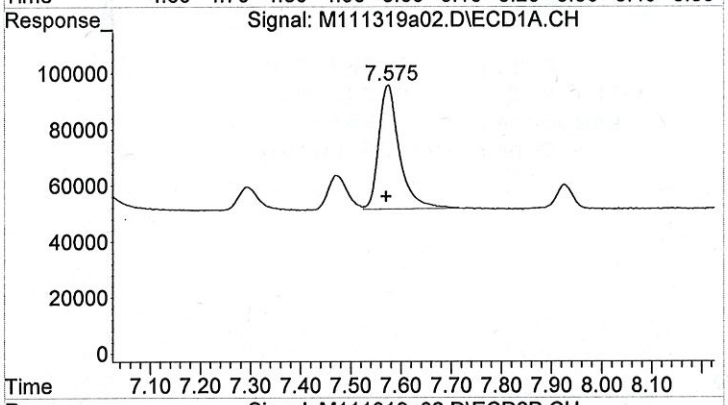
#1 tmx (1)

R.T.: 6.960 min
Delta R.T.: 0.000 min
Response: 287460
Conc: 9.87 pg/uL



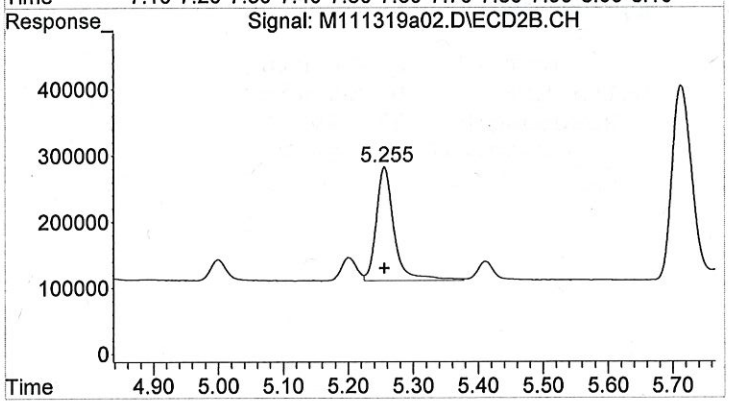
#1 tmx (1)

R.T.: 4.713 min
Delta R.T.: 0.000 min
Response: 985157
Conc: 10.80 pg/uL



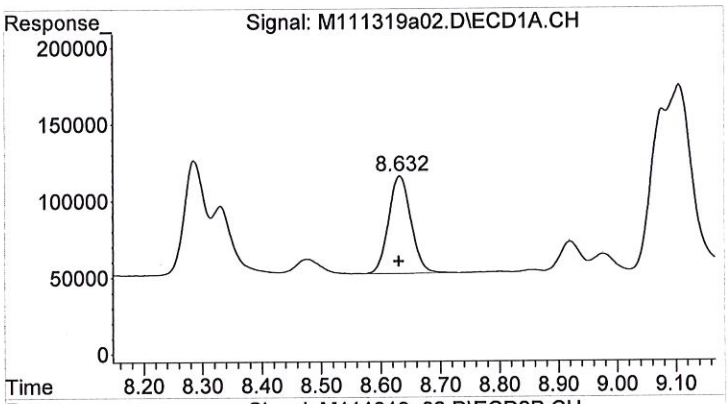
#2 1016 -1

R.T.: 7.574 min
Delta R.T.: 0.003 min
Response: 44192
Conc: 99.10 pg/uL



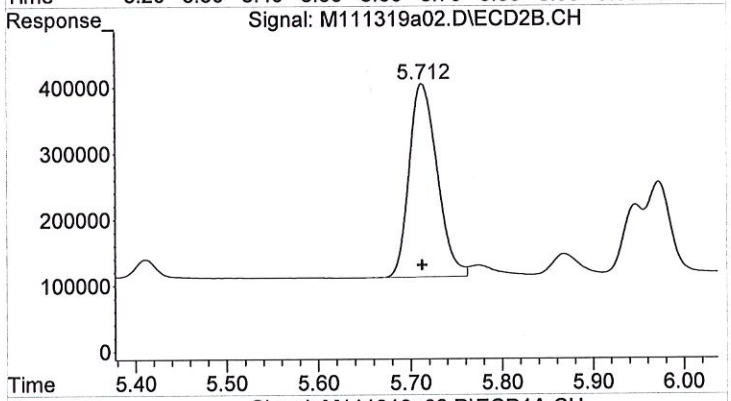
#2 1016 -1

R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 171689
Conc: 112.12 pg/uL



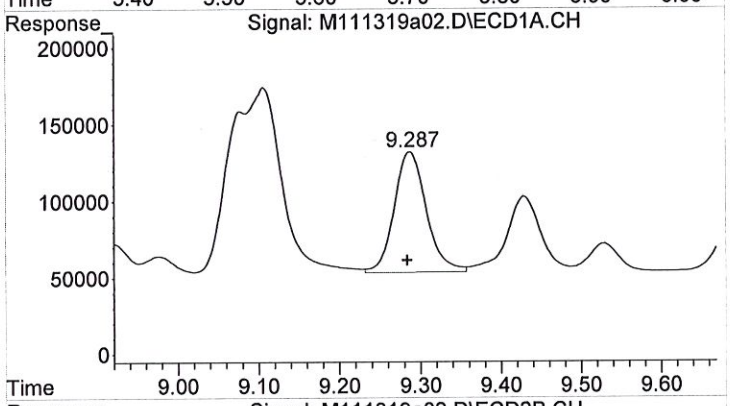
#3 1016-2

R.T.: 8.632 min
Delta R.T.: 0.001 min
Response: 63475
Conc: 105.86 pg/uL



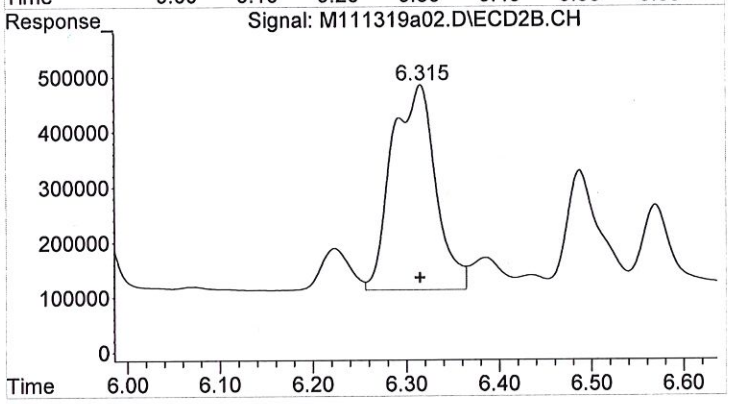
#3 1016-2

R.T.: 5.713 min
Delta R.T.: 0.000 min
Response: 292710
Conc: 110.30 pg/uL



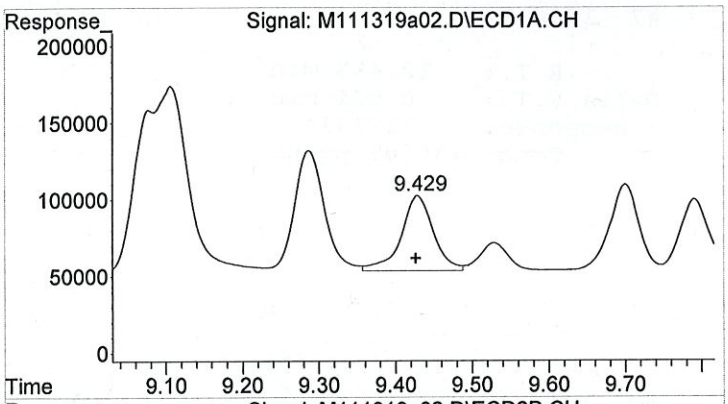
#4 1016-3

R.T.: 9.287 min
Delta R.T.: 0.003 min
Response: 78532
Conc: 103.96 pg/uL



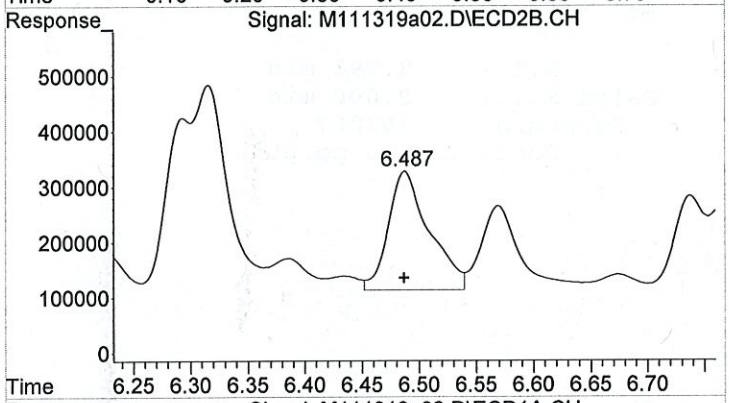
#4 1016-3

R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 371120
Conc: 103.26 pg/uL



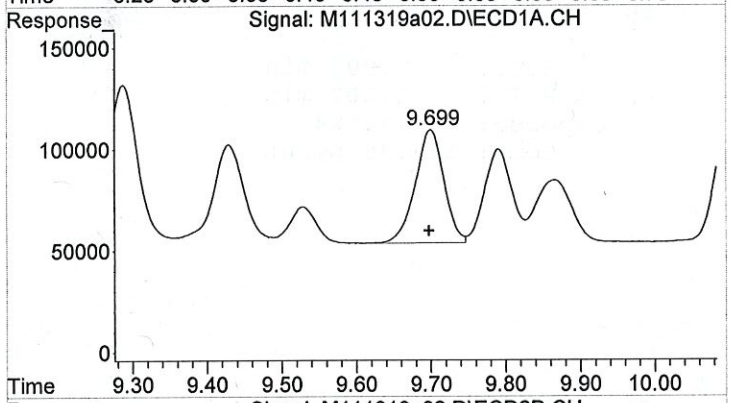
#5 1016-4

R.T.: 9.429 min
Delta R.T.: 0.002 min
Response: 48966
Conc: 102.33 pg/uL



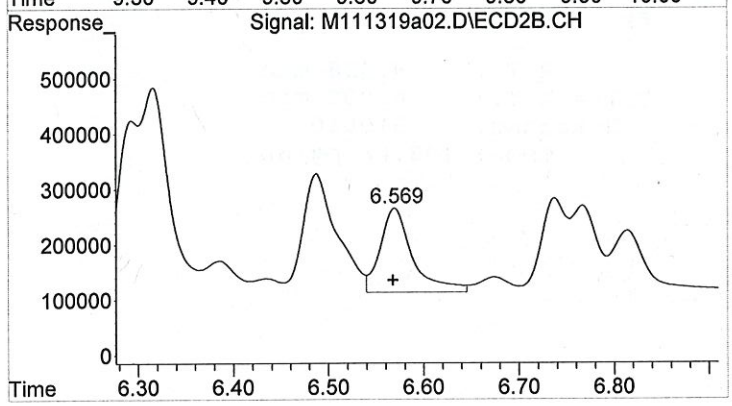
#5 1016-4

R.T.: 6.488 min
Delta R.T.: 0.000 min
Response: 214826
Conc: 105.85 pg/uL



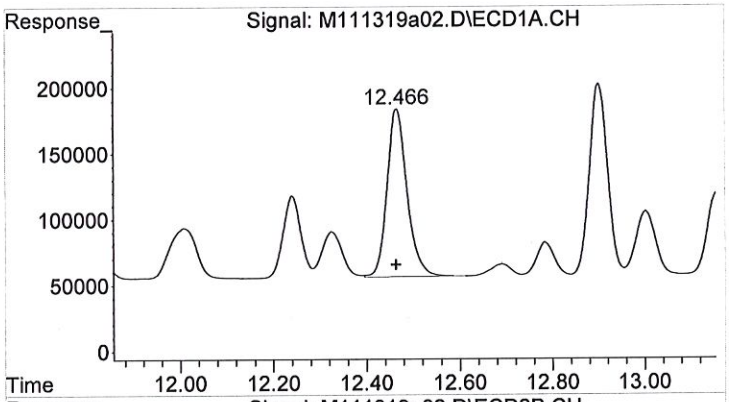
#6 1016-5

R.T.: 9.700 min
Delta R.T.: 0.002 min
Response: 55678
Conc: 110.41 pg/uL



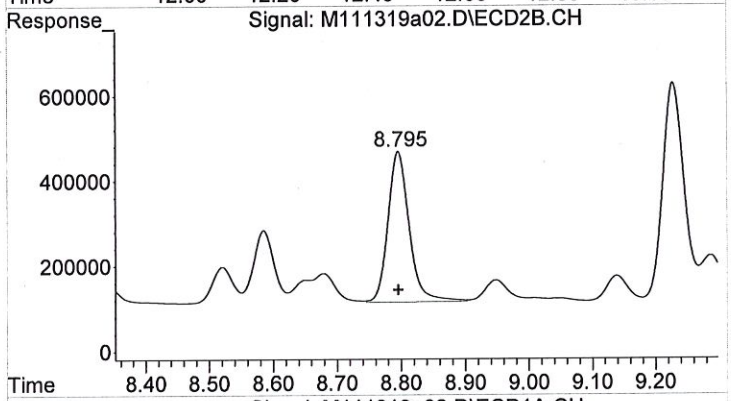
#6 1016-5

R.T.: 6.569 min
Delta R.T.: 0.001 min
Response: 151926
Conc: 103.65 pg/uL



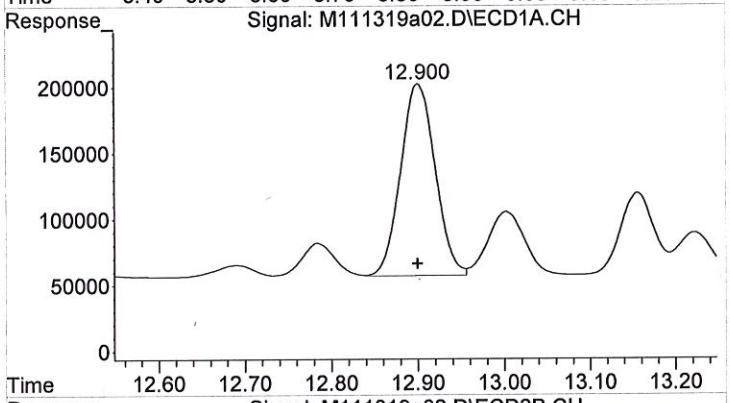
#7 1260-1

R.T.: 12.465 min
Delta R.T.: 0.001 min
Response: 127331
Conc: 130.07 pg/uL



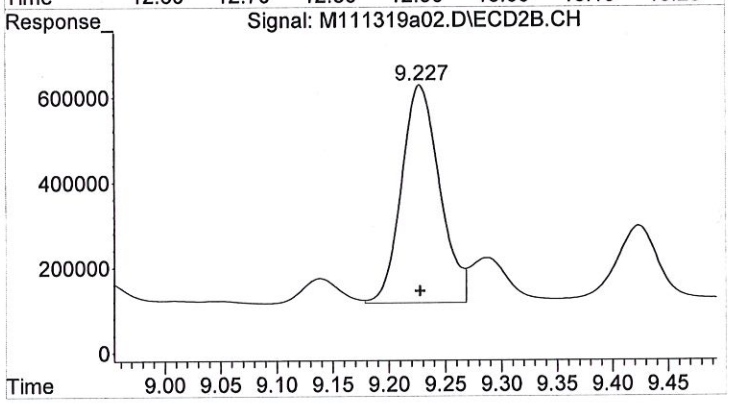
#7 1260-1

R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 353267
Conc: 111.40 pg/uL



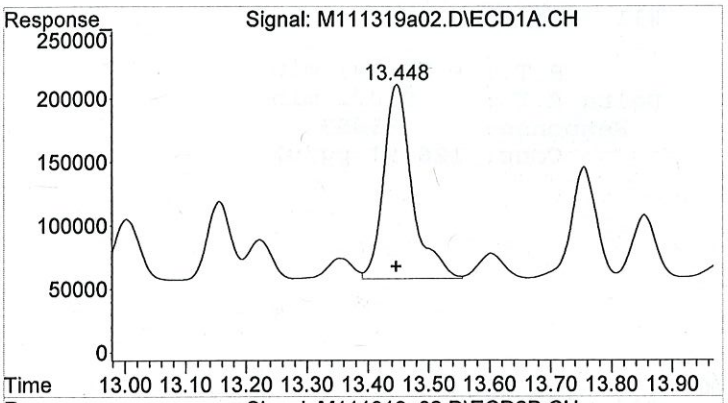
#8 1260-2

R.T.: 12.900 min
Delta R.T.: 0.000 min
Response: 145124
Conc: 127.36 pg/uL



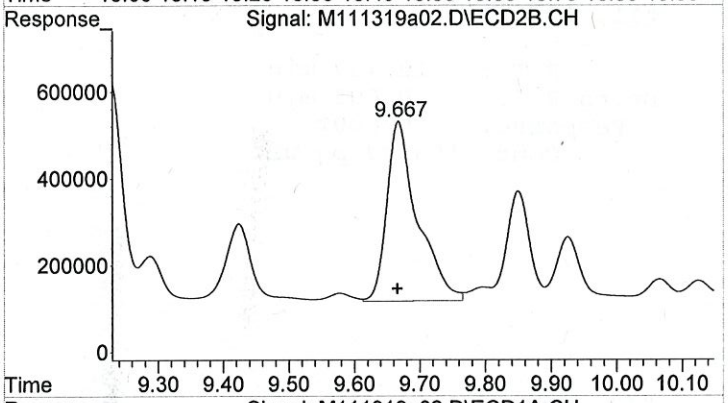
#8 1260-2

R.T.: 9.228 min
Delta R.T.: 0.000 min
Response: 510040
Conc: 108.82 pg/uL



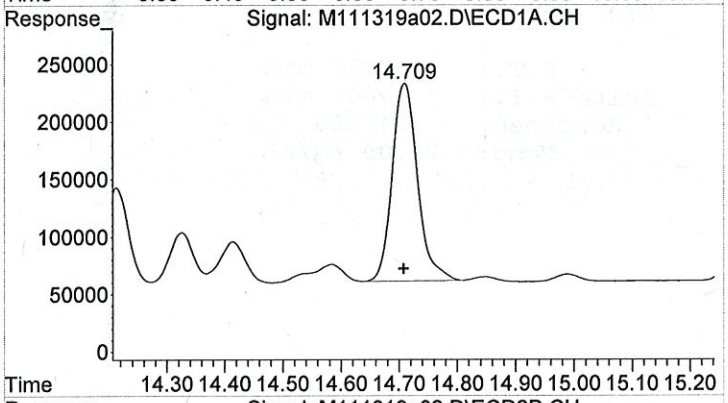
#9 1260-3

R.T.: 13.448 min
Delta R.T.: 0.000 min
Response: 153183
Conc: 124.75 pg/uL



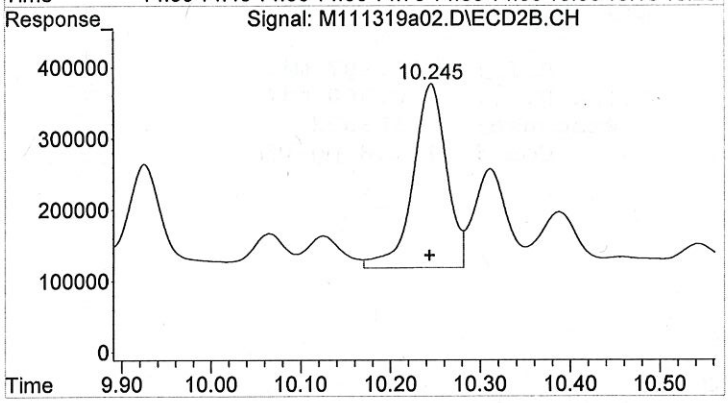
#9 1260-3

R.T.: 9.667 min
Delta R.T.: 0.001 min
Response: 414087
Conc: 108.53 pg/uL



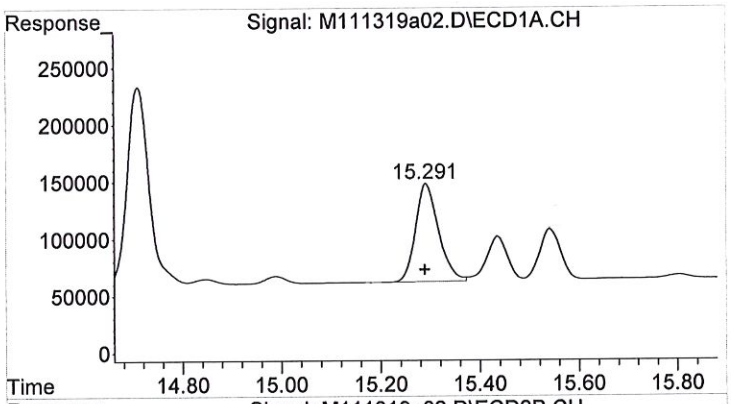
#10 1260-4

R.T.: 14.710 min
Delta R.T.: 0.002 min
Response: 171740
Conc: 118.40 pg/uL



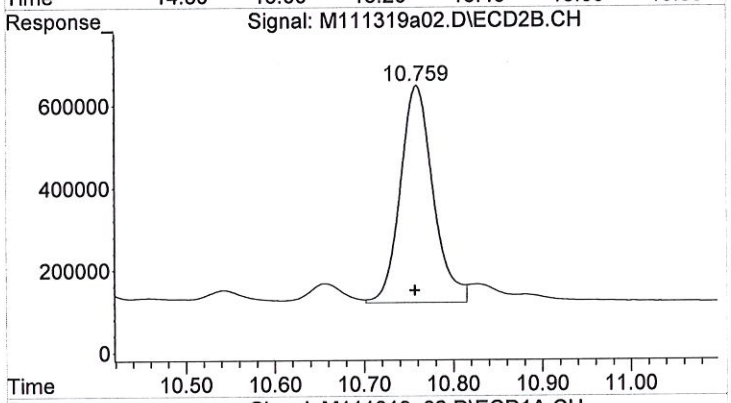
#10 1260-4

R.T.: 10.246 min
Delta R.T.: 0.002 min
Response: 257640
Conc: 111.14 pg/uL



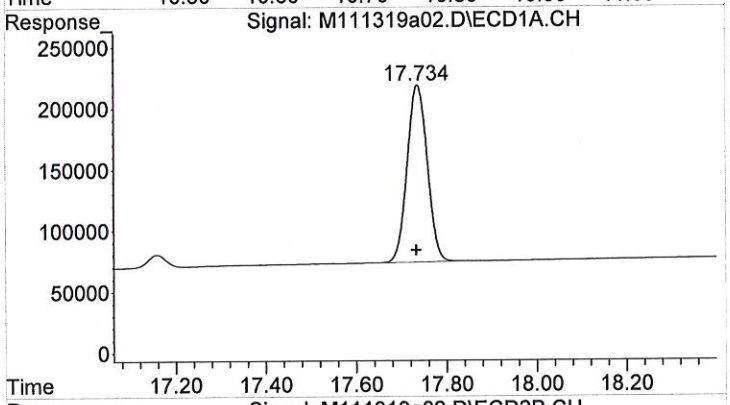
#11 1260-5

R.T.: 15.291 min
Delta R.T.: 0.002 min
Response: 85653
Conc: 126.91 pg/uL



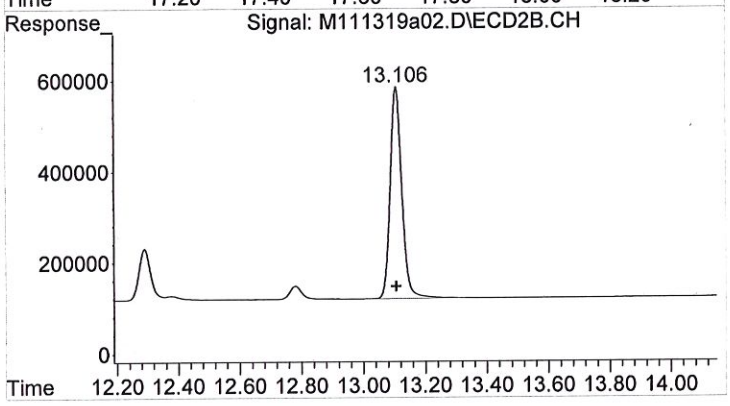
#11 1260-5

R.T.: 10.759 min
Delta R.T.: 0.002 min
Response: 526002
Conc: 108.97 pg/uL



#12 dcb

R.T.: 17.736 min
Delta R.T.: 0.003 min
Response: 144506
Conc: 12.09 pg/uL



#12 dcb

R.T.: 13.107 min
Delta R.T.: 0.000 min
Response: 463622
Conc: 11.18 pg/uL

PCB CCV Report

Data File....: M111319a16.D
Dataname.....: 87PCB032819M
Analyzed.....: 11/13/2019 17:04

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

CCV Level..: 100 pg/uL
ICAL Date..: 11/12/2019

Datafile path....: J:\Organics\Minerva\MINERVA 2019 DATA\M111319PCBDW\M111319a16.D
DP Method path...: J:\Organics\Minerva\Methods\M111219PCB1260.M

PCB 1016/1260 Cont Cal 100 pg/uL

CAS #	Compound	RT	Exp RT	Area	Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate					Criteria range: <±20%D			
	tmx (1)	6.96	6.96	298168	10	10.3	2.5	
	dcb	17.74	17.73	141098	10	11.8	18	
	tmx (1) #2	4.71	4.71	928532	10	10.2	1.6	
	dcb #2	13.11	13.11	402294	10	9.67	-3.3	
Target					Criteria range: <±20%D			
	1016 -1	7.57	7.57	45999	100	104	3.6	
	1016-2	8.63	8.63	64538	100	108	7.8	
	1016-3	9.29	9.28	81207	100	108	7.7	
	1016-4	9.43	9.43	50239	100	105	5.1	
	1016-5	9.70	9.70	57927	100	115	15	
	1260-1	12.46	12.46	122872	100	125	25	> ±20%
	1260-2	12.90	12.90	144764	100	127	27	> ±20%
	1260-3	13.45	13.45	152857	100	124	24	> ±20%
	1260-4	14.71	14.71	176469	100	122	22	> ±20%
	1260-5	15.29	15.29	83023	100	123	23	> ±20%
	1016 -1 #2	5.26	5.26	161611	100	105	5.0	
	1016-2 #2	5.71	5.71	280838	100	105	5.5	
	1016-3 #2	6.32	6.32	346913	100	96.2	-3.8	
	1016-4 #2	6.49	6.49	202010	100	99.1	-0.86	
	1016-5 #2	6.57	6.57	141919	100	96.5	-3.5	
	1260-1 #2	8.80	8.80	329127	100	103	3.3	
	1260-2 #2	9.23	9.23	472342	100	100	0.34	
	1260-3 #2	9.67	9.67	362976	100	94.8	-5.2	
	1260-4 #2	10.25	10.24	226083	100	97.0	-3.0	
	1260-5 #2	10.76	10.76	456912	100	94.6	-5.4	

Average %Difference:	%Diff	
1016 Column 1 (n=5)	7.9	
1016 Column 2 (n=5)	0.46	
1260 Column 1 (n=5)	24	>±20%
1260 Column 2 (n=5)	-2.0	

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M111319PCBDW\
Data File : M111319a16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2019 5:04 pm
Operator : DWOOD
Sample : 87PCB032819M
Misc : PCB 1016/1260 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: EVENTS1.E
Quant Time: Nov 14 10:09:26 2019
Quant Method : J:\Organics\Minerva\Methods\M111219PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Nov 12 15:48:19 2019
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)	6.959	4.714	298168	928532	10.255	10.158
12)	S2 dcb	17.735	13.107	141098	402294	11.796	9.672
	Target Compounds						
2)	L1 1016 -1	7.571	5.256	45999	161611	103.579	104.972
3)	L1 1016-2	8.632	5.713	64538	280838	107.834	105.485
4)	L1 1016-3	9.285	6.315	81207	346913	107.745	96.221
5)	L1 1016-4	9.428	6.488	50239	202010	105.087	99.139
6)	L1 1016-5	9.699	6.569	57927	141919	115.223	96.496
	Sum 1016 -1			299911	1133291	539.468	502.313
	Average 1016 -1					107.894	100.463
7)	L2 1260-1	12.464	8.796	122872	329127	125.299	103.278
8)	L2 1260-2	12.900	9.229	144764	472342	127.028	100.342
9)	L2 1260-3	13.447	9.666	152857	362976	124.480	94.792
10)	L2 1260-4	14.707	10.245	176469	226083	121.671	97.001
11)	L2 1260-5	15.291	10.760	83023	456912	122.966	94.637
	Sum 1260-1			679985	1847441	621.444	490.051
	Average 1260-1					124.289	98.010

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

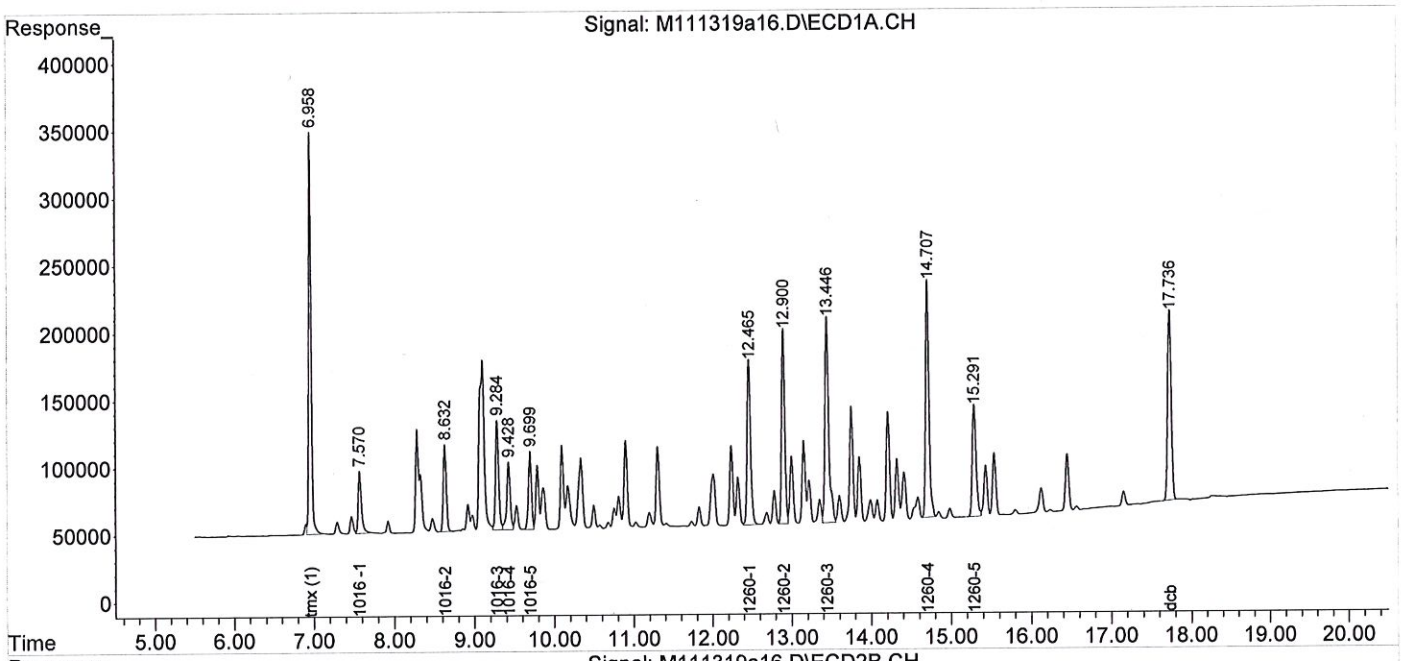
hw
12/6/19

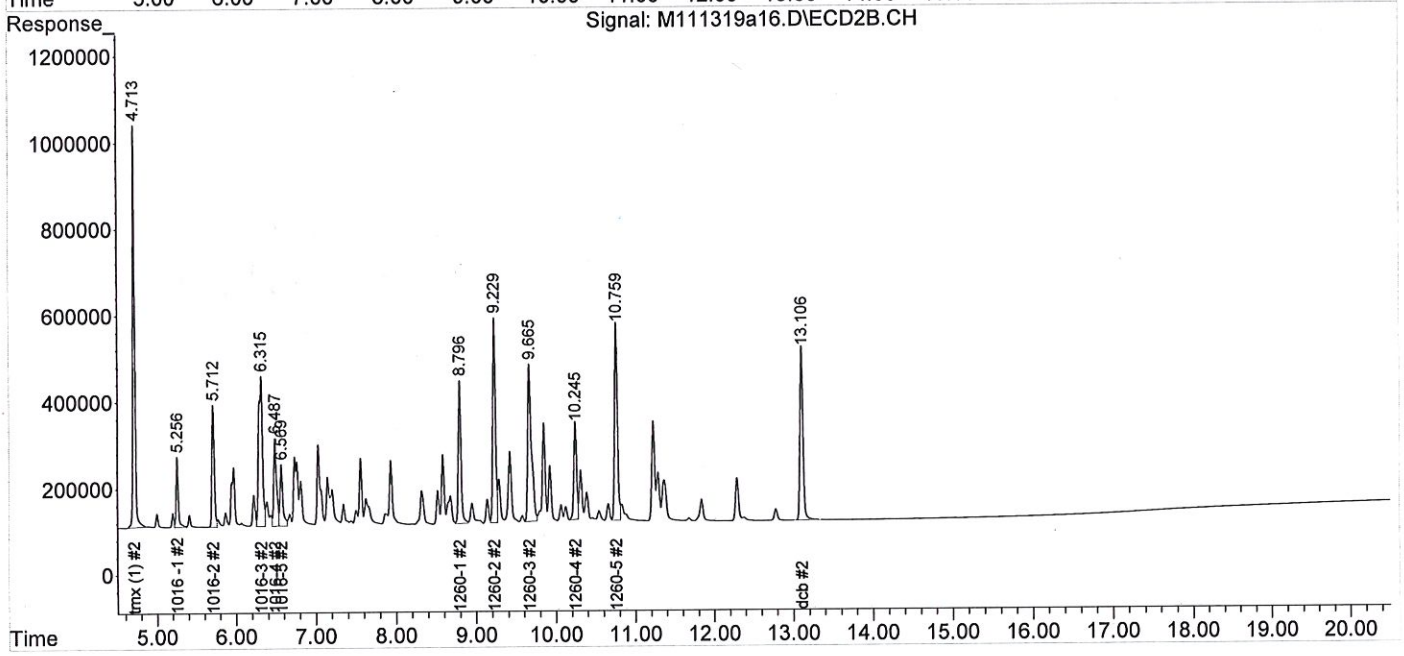
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M111319PCBDW\
Data File : M111319a16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2019 5:04 pm
Operator : DWOOD
Sample : 87PCB032819M
Misc : PCB 1016/1260 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: EVENTS1.E
Quant Time: Nov 14 10:09:26 2019
Quant Method : J:\Organics\Minerva\Methods\M111219PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Nov 12 15:48:19 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M111319PCBDW\
Data File : M111319a16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2019 5:04 pm
Operator : DWOOD
Sample : 87PCB032819M
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

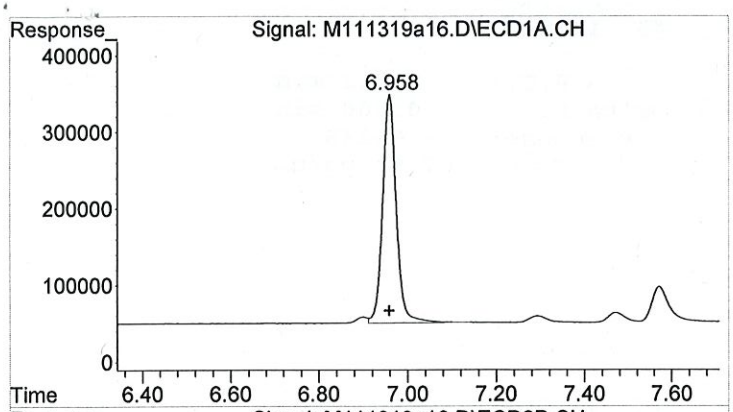
Integration File signal 1: EVENTS1.E
Integration File signal 2: EVENTS1.E
Quant Time: Nov 14 10:09:26 2019
Quant Method : J:\Organics\Minerva\Methods\M111219PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Nov 12 15:48:19 2019
Response via : Initial Calibration
Integrator: ChemStation 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)	6.959	4.714	298168	928532	10.255	10.158
12)	S2 dcb	17.735	13.107	141098	402294	11.796	9.672
	Target Compounds						
2)	L1 1016 -1	7.571	5.256	45999	161611	103.579	104.972
3)	L1 1016-2	8.632	5.713	64538	280838	107.834	105.485
4)	L1 1016-3	9.285	6.315	81207	346913	107.745	96.221
5)	L1 1016-4	9.428	6.488	50239	202010	105.087	99.139
6)	L1 1016-5	9.699	6.569	57927	141919	115.223	96.496
	Sum 1016 -1			299911	1133291	539.468	502.313
	Average 1016 -1					107.894	100.463
7)	L2 1260-1	12.464	8.796	122872	329127	125.299	103.278
8)	L2 1260-2	12.900	9.229	144764	472342	127.028	100.342
9)	L2 1260-3	13.447	9.666	152857	362976	124.480	94.792
10)	L2 1260-4	14.707	10.245	176469	226083	121.671	97.001
11)	L2 1260-5	15.291	10.760	83023	456912	122.966	94.637
	Sum 1260-1			679985	1847441	621.444	490.051
	Average 1260-1					124.289	98.010

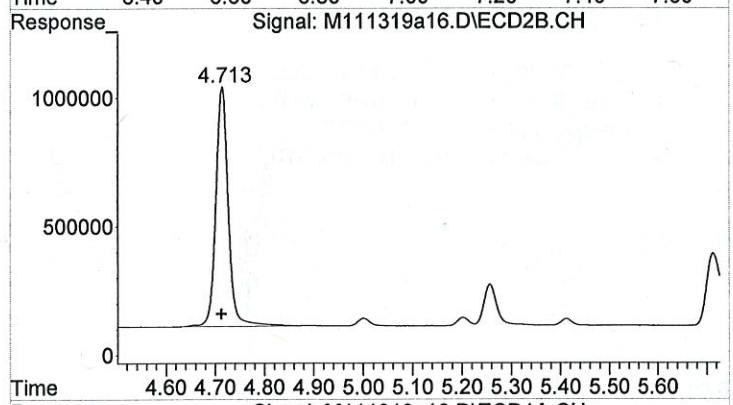
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

hw
11/15/19



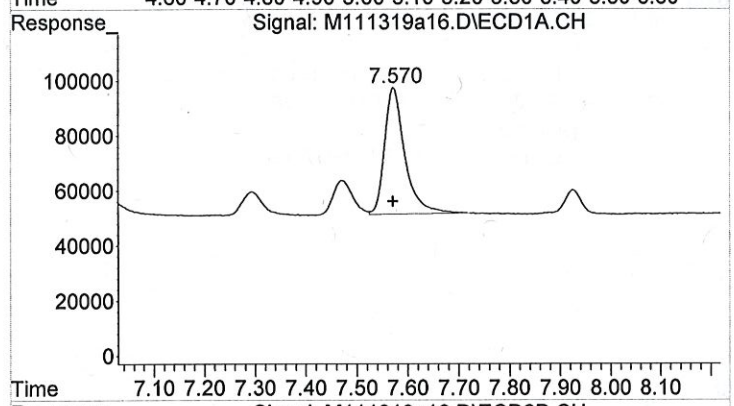
#1 tmx (1)

R.T.: 6.959 min
Delta R.T.: 0.000 min
Response: 298168
Conc: 10.25 pg/uL



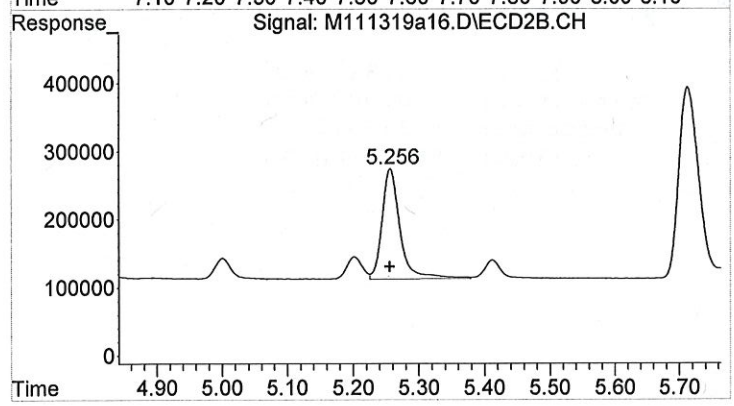
#1 tmx (1)

R.T.: 4.714 min
Delta R.T.: 0.000 min
Response: 928532
Conc: 10.16 pg/uL



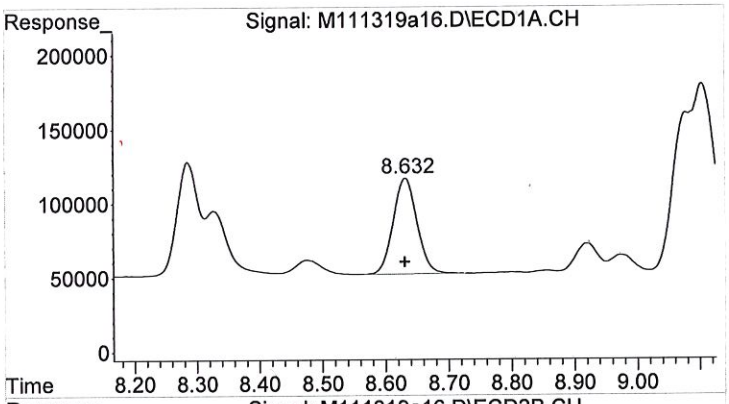
#2 1016 -1

R.T.: 7.571 min
Delta R.T.: 0.000 min
Response: 45999
Conc: 103.58 pg/uL



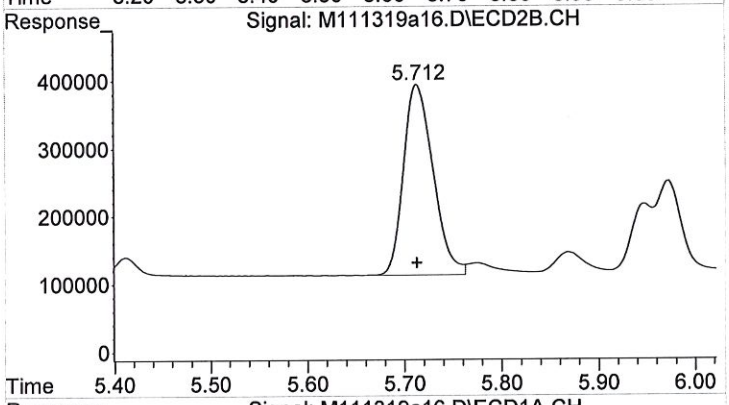
#2 1016 -1

R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 161611
Conc: 104.97 pg/uL



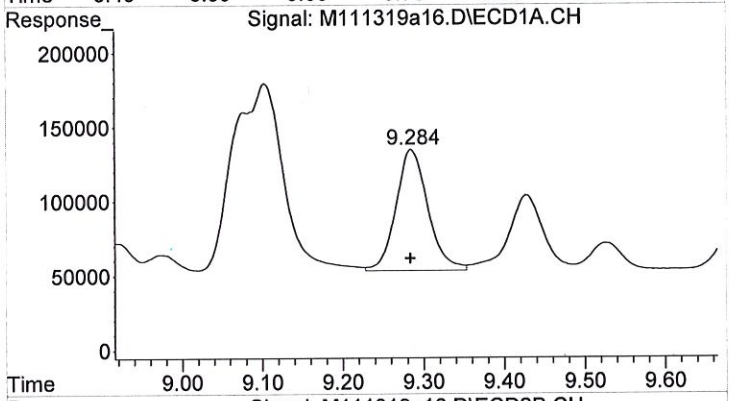
#3 1016-2

R.T.: 8.632 min
Delta R.T.: 0.000 min
Response: 64538
Conc: 107.83 pg/uL



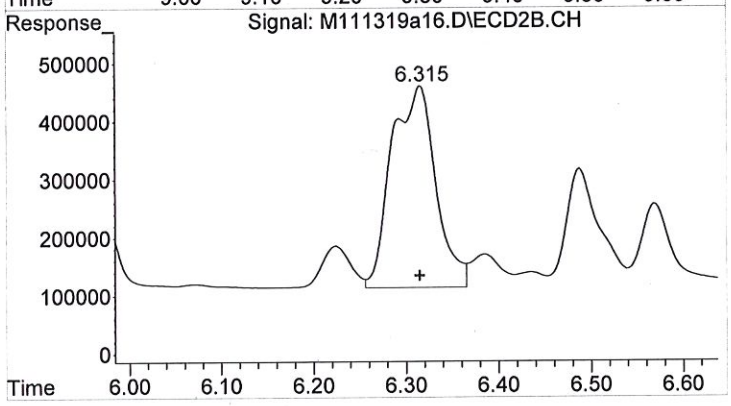
#3 1016-2

R.T.: 5.713 min
Delta R.T.: 0.000 min
Response: 280838
Conc: 105.48 pg/uL



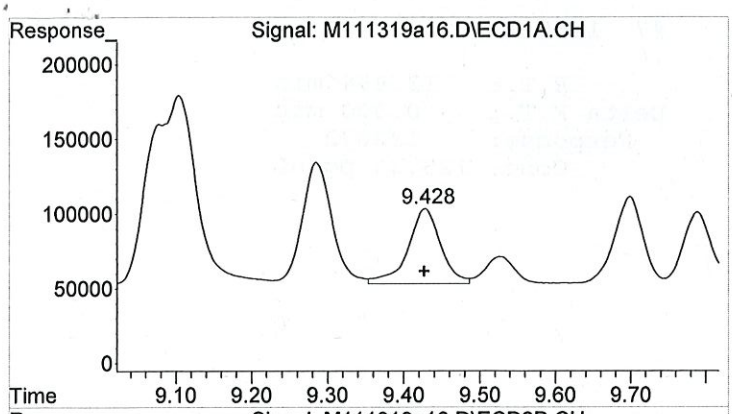
#4 1016-3

R.T.: 9.285 min
Delta R.T.: 0.001 min
Response: 81207
Conc: 107.74 pg/uL



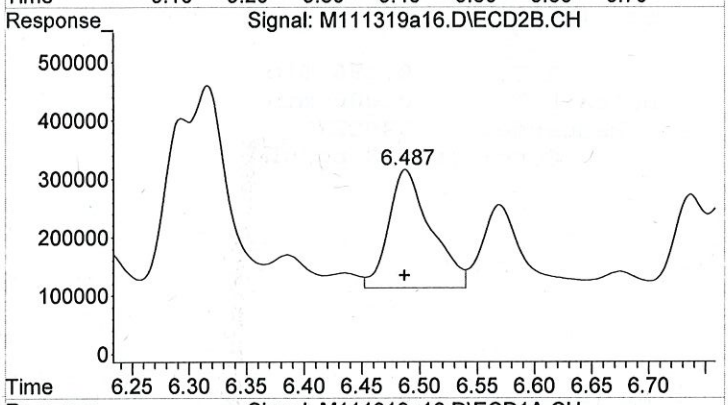
#4 1016-3

R.T.: 6.315 min
Delta R.T.: 0.000 min
Response: 346913
Conc: 96.22 pg/uL



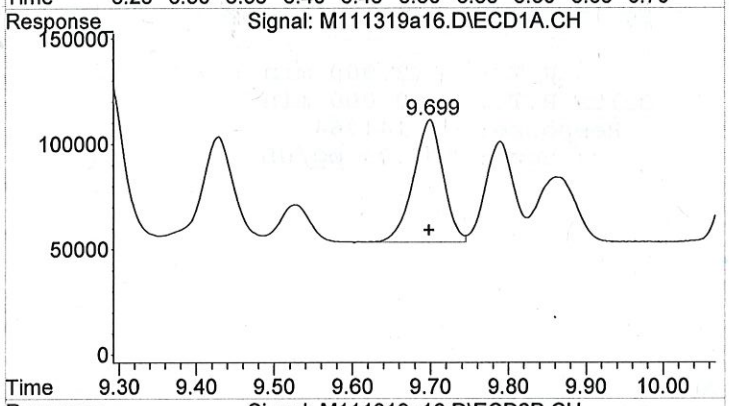
#5 1016-4

R.T.: 9.428 min
Delta R.T.: 0.001 min
Response: 50239
Conc: 105.09 pg/uL



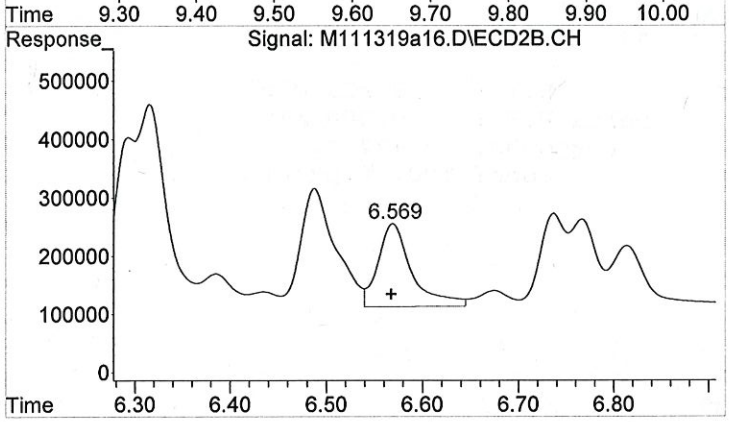
#5 1016-4

R.T.: 6.488 min
Delta R.T.: 0.000 min
Response: 202010
Conc: 99.14 pg/uL



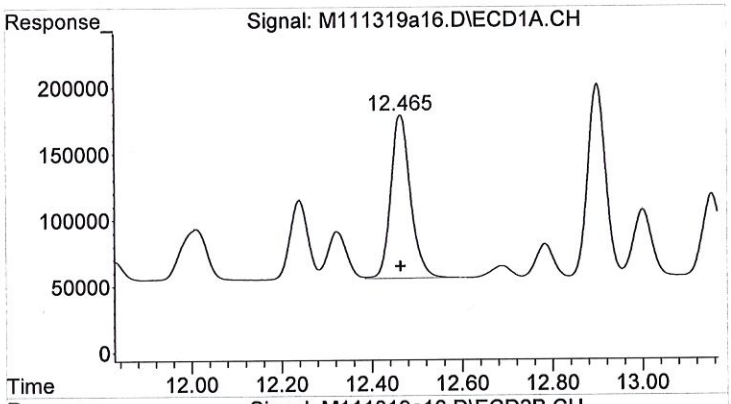
#6 1016-5

R.T.: 9.699 min
Delta R.T.: 0.000 min
Response: 57927
Conc: 115.22 pg/uL



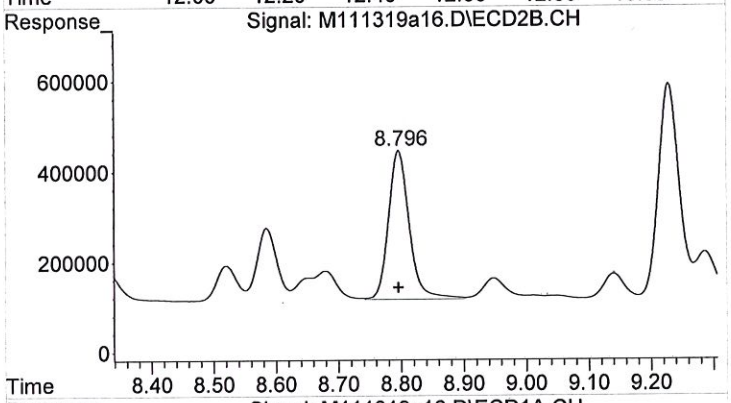
#6 1016-5

R.T.: 6.569 min
Delta R.T.: 0.001 min
Response: 141919
Conc: 96.50 pg/uL



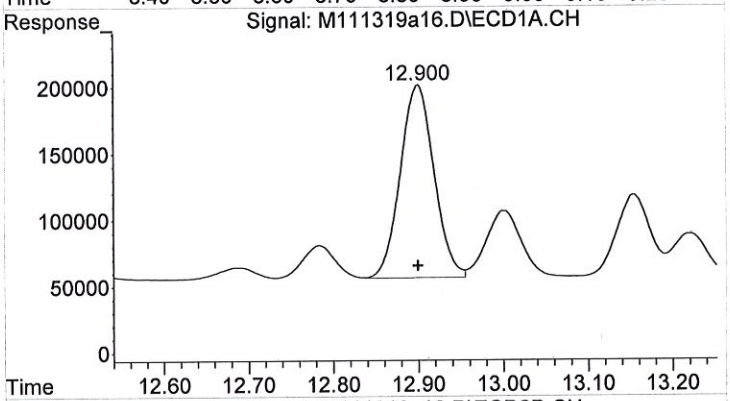
#7 1260-1

R.T.: 12.464 min
Delta R.T.: 0.000 min
Response: 122872
Conc: 125.30 pg/uL



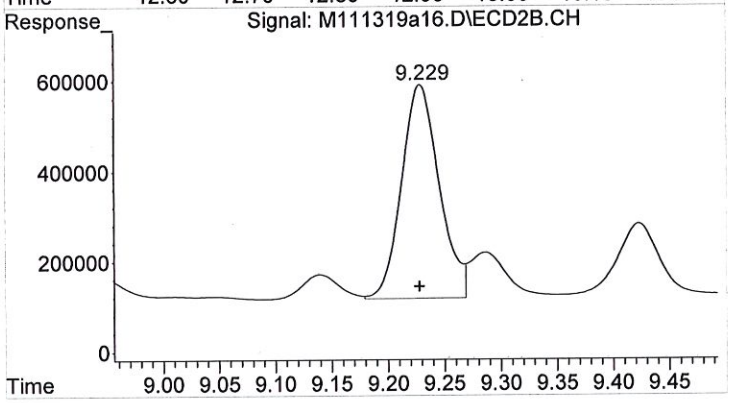
#7 1260-1

R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 329127
Conc: 103.28 pg/uL



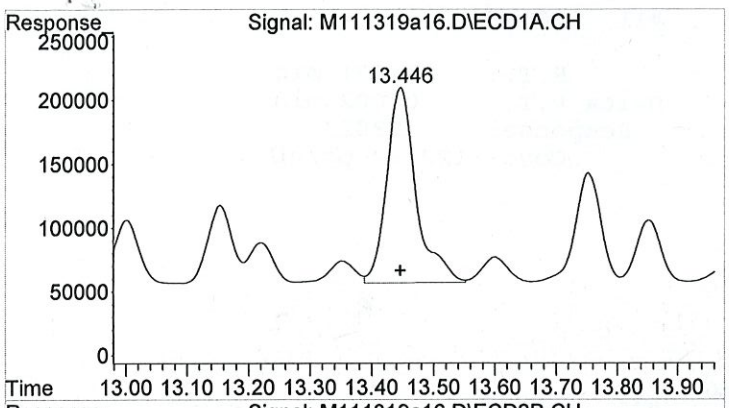
#8 1260-2

R.T.: 12.900 min
Delta R.T.: 0.000 min
Response: 144764
Conc: 127.03 pg/uL



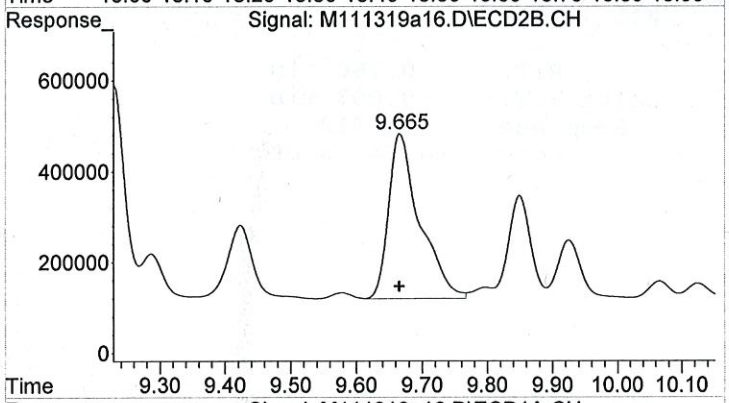
#8 1260-2

R.T.: 9.229 min
Delta R.T.: 0.000 min
Response: 472342
Conc: 100.34 pg/uL



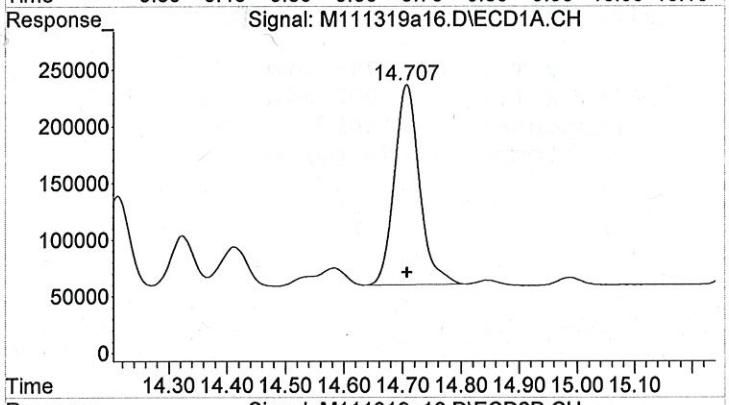
#9 1260-3

R.T.: 13.447 min
Delta R.T.: 0.000 min
Response: 152857
Conc: 124.48 pg/uL



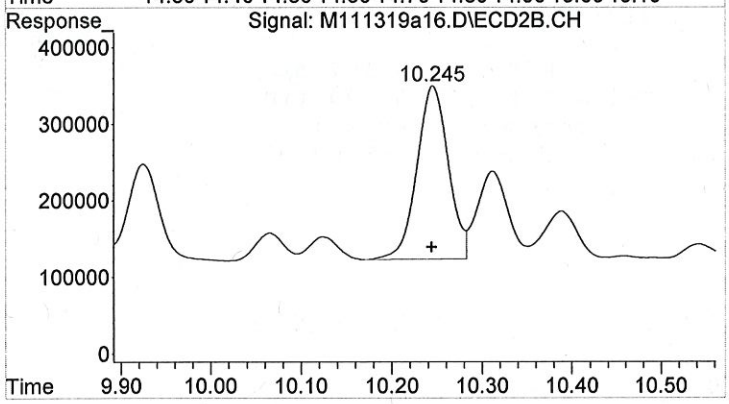
#9 1260-3

R.T.: 9.666 min
Delta R.T.: 0.000 min
Response: 362976
Conc: 94.79 pg/uL



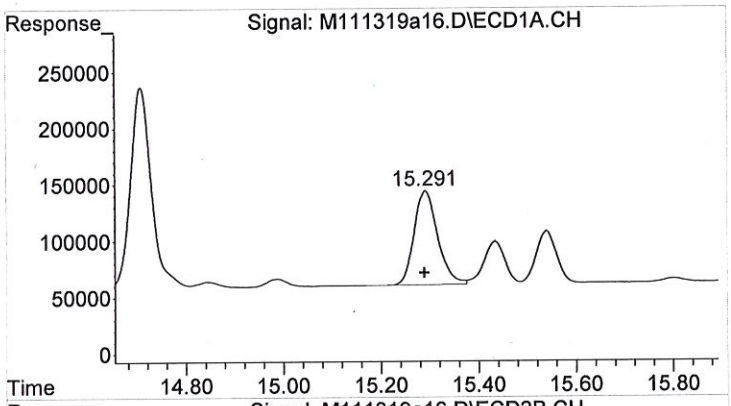
#10 1260-4

R.T.: 14.707 min
Delta R.T.: -0.001 min
Response: 176469
Conc: 121.67 pg/uL



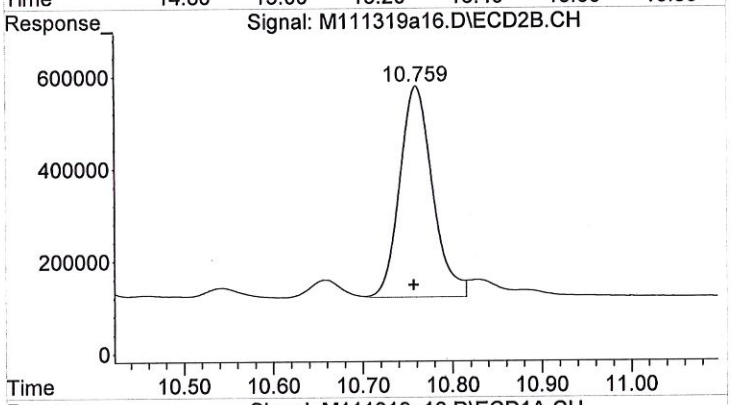
#10 1260-4

R.T.: 10.245 min
Delta R.T.: 0.001 min
Response: 226083
Conc: 97.00 pg/uL



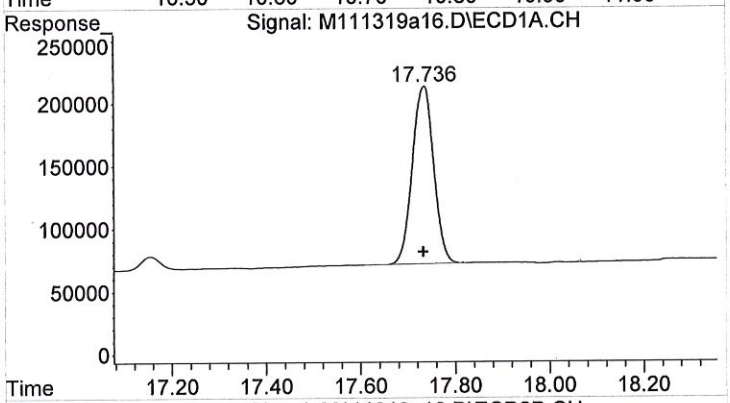
#11 1260-5

R.T.: 15.291 min
Delta R.T.: 0.002 min
Response: 83023
Conc: 122.97 pg/uL



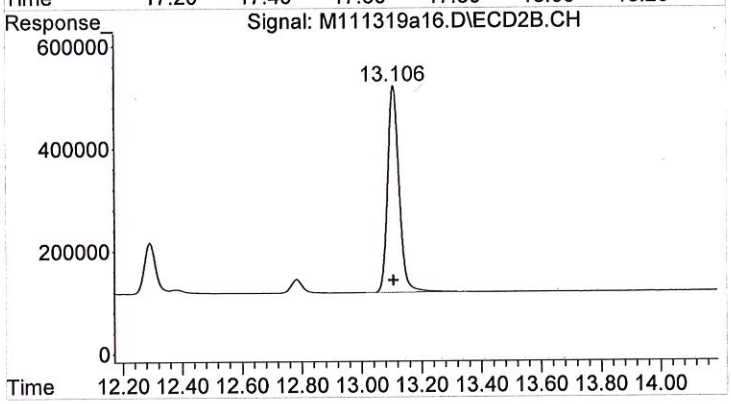
#11 1260-5

R.T.: 10.760 min
Delta R.T.: 0.003 min
Response: 456912
Conc: 94.64 pg/uL



#12 dcb

R.T.: 17.735 min
Delta R.T.: 0.002 min
Response: 141098
Conc: 11.80 pg/uL



#12 dcb

R.T.: 13.107 min
Delta R.T.: 0.000 min
Response: 402294
Conc: 9.67 pg/uL

PCB CCV Report

Data File....: M111319a23.D
Dataname.....: 87PCB032819M
Analyzed.....: 11/13/2019 19:56

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

CCV Level..: 100 pg/uL
ICAL Date..: 11/12/2019

Datafile path....: J:\Organics\Minerva\MINERVA 2019 DATA\M111319PCBDW\M111319a23.D
DP Method path...: J:\Organics\Minerva\Methods\M111219PCB1260.M

PCB 1016/1260 Cont Cal 100 pg/uL

CAS #	Compound	RT	Exp RT	Area	Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate					Criteria range: <±20%D			
	tmx (1)	6.96	6.96	255380	10	8.74	-13	
	dcb	17.74	17.73	117279	10	9.72	-2.8	
	tmx (1) #2	4.71	4.71	914100	10	10.0	-0.05	
	dcb #2	13.11	13.11	217640	10	5.12	-49	> ±20%
Target					Criteria range: <±20%D			
	1016 -1	7.57	7.57	41660	100	92.8	-7.2	
	1016-2	8.63	8.63	50028	100	80.9	-19	
	1016-3	9.29	9.28	60038	100	77.8	-22	> ±20%
	1016-4	9.43	9.43	36758	100	75.9	-24	> ±20%
	1016-5	9.70	9.70	39245	100	75.3	-25	> ±20%
	1260-1	12.47	12.46	86621	100	86.5	-14	
	1260-2	12.90	12.90	98728	100	85.2	-15	
	1260-3	13.45	13.45	108109	100	87.3	-13	
	1260-4	14.71	14.71	126018	100	86.8	-13	
	1260-5	15.29	15.29	58010	100	85.5	-15	
	1016 -1 #2	5.26	5.26	158662	100	103	2.9	
	1016-2 #2	5.71	5.71	265423	100	99.2	-0.77	
	1016-3 #2	6.32	6.32	347852	100	96.5	-3.5	
	1016-4 #2	6.49	6.49	202296	100	99.3	-0.71	
	1016-5 #2	6.57	6.57	143509	100	97.6	-2.4	
	1260-1 #2	8.80	8.80	245142	100	75.0	-25	> ±20%
	1260-2 #2	9.23	9.23	352337	100	73.4	-27	> ±20%
	1260-3 #2	9.67	9.67	274548	100	71.0	-29	> ±20%
	1260-4 #2	10.24	10.24	152723	100	64.1	-36	> ±20%
	1260-5 #2	10.76	10.76	314072	100	65.0	-35	> ±20%

Average %Difference:	%Diff	
1016 Column 1 (n=5)	-19	
1016 Column 2 (n=5)	-0.90	
1260 Column 1 (n=5)	-14	
1260 Column 2 (n=5)	-30	>±20%

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M111319PCBDW\
Data File : M111319a23.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2019 7:56 pm
Operator : DWOOD
Sample : 87PCB032819M
Misc : PCB 1016/1260 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: EVENTS1.E
Quant Time: Nov 14 10:09:48 2019
Quant Method : J:\Organics\Minerva\Methods\M111219PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Nov 12 15:48:19 2019
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)	6.961	4.715	255380	914100	8.735	9.995	
12)	S2 dcb	17.737	13.107	117279	217640	9.723	5.121	#
	Target Compounds							
2)	L1 1016 -1	7.572	5.256	41660	158662	92.817	102.880	
3)	L1 1016-2	8.632	5.714	50028	265423	80.935	99.228	
4)	L1 1016-3	9.287	6.316	60038	347852	77.768	96.495	
5)	L1 1016-4	9.430	6.487	36758	202296	75.876	99.288	#
6)	L1 1016-5	9.700	6.569	39245	143509	75.255	97.633	#
	Sum 1016 -1			227729	1117742	402.650	495.524	
	Average 1016 -1					80.530	99.105	
7)	L2 1260-1	12.465	8.796	86621	245142	86.488	75.023	
8)	L2 1260-2	12.903	9.228	98728	352337	85.171	73.365	
9)	L2 1260-3	13.450	9.667	108109	274548	87.291	71.017	
10)	L2 1260-4	14.711	10.245	126018	152723	86.800	64.128	#
11)	L2 1260-5	15.293	10.758	58010	314072	85.461	65.009	
	Sum 1260-1			477485	1338822	431.211	348.541	
	Average 1260-1					86.242	69.708	

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

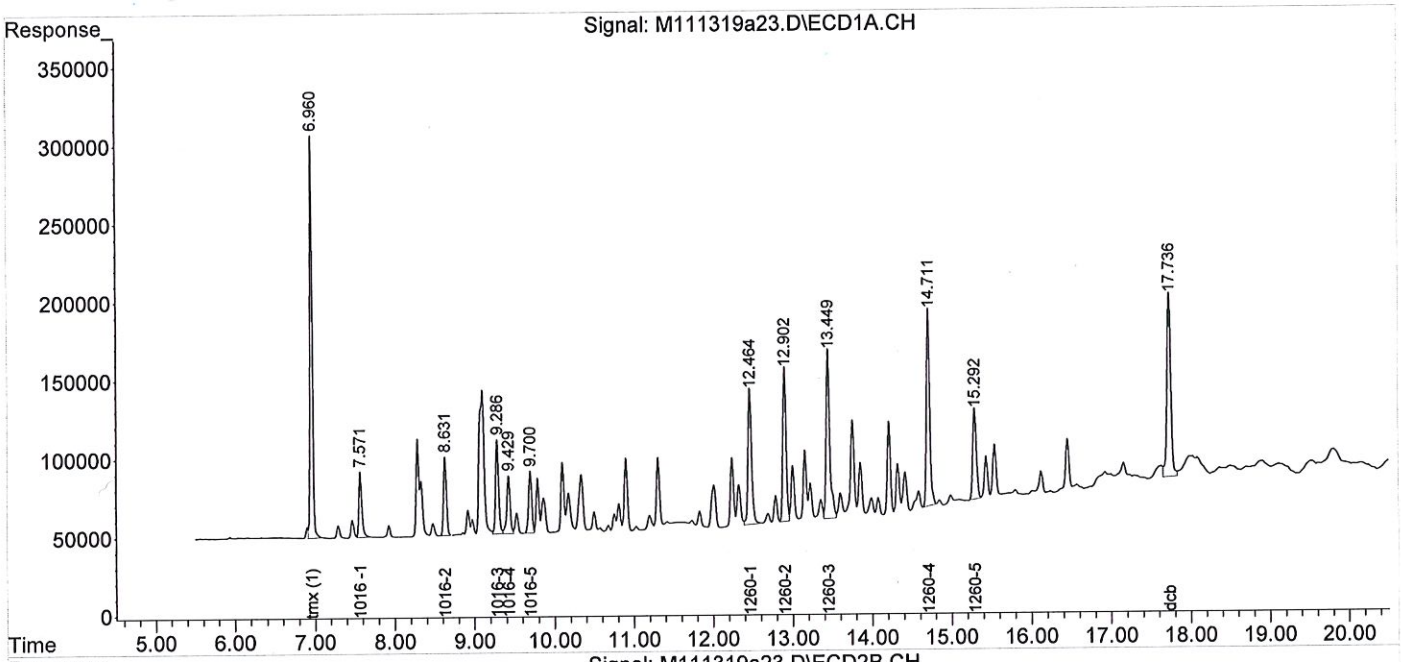
lw
12/6/19

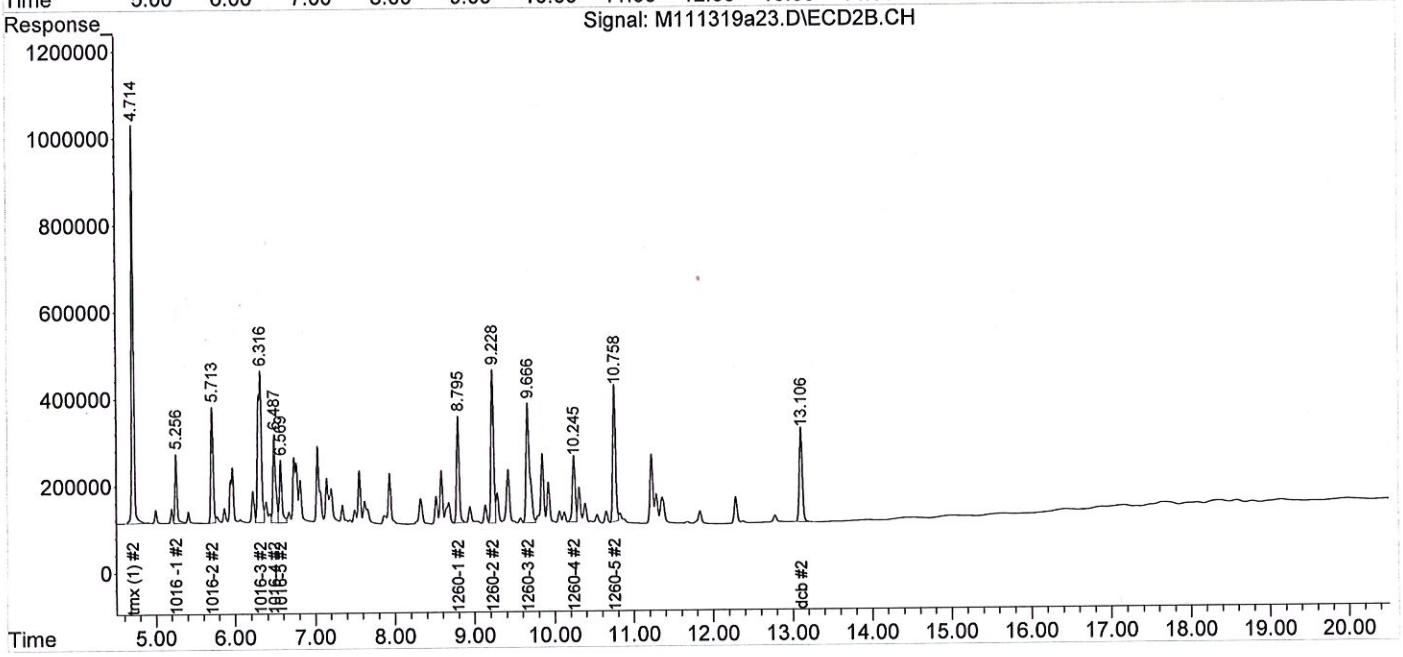
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M111319PCBDW\
Data File : M111319a23.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2019 7:56 pm
Operator : DWOOD
Sample : 87PCB032819M
Misc : PCB 1016/1260 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: EVENTS1.E
Quant Time: Nov 14 10:09:48 2019
Quant Method : J:\Organics\Minerva\Methods\M111219PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Nov 12 15:48:19 2019
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





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M111319PCBDW\
Data File : M111319a23.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2019 7:56 pm
Operator : DWOOD
Sample : 87PCB032819M
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

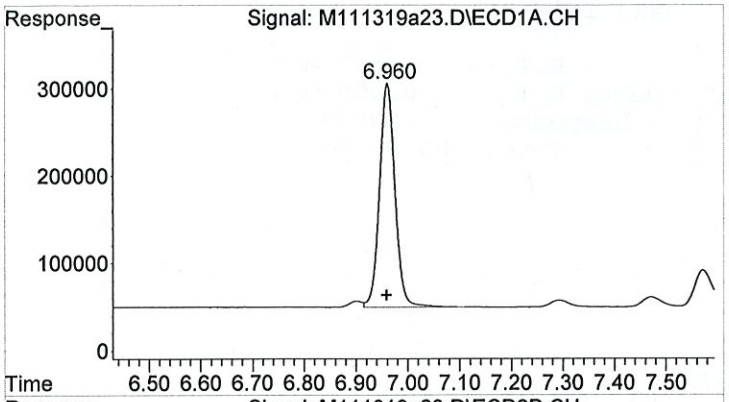
Integration File signal 1: EVENTS1.E
Integration File signal 2: EVENTS1.E
Quant Time: Nov 14 10:09:48 2019
Quant Method : J:\Organics\Minerva\Methods\M111219PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Nov 12 15:48:19 2019
Response via : Initial Calibration
Integrator: ChemStation 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)	6.961	4.715	255380	914100	8.735	9.995	
12)	S2 dcb	17.737	13.107	117279	217640	9.723	5.121	#
	Target Compounds							
2)	L1 1016 -1	7.572	5.256	41660	158662	92.817	102.880	
3)	L1 1016-2	8.632	5.714	50028	265423	80.935	99.228	
4)	L1 1016-3	9.287	6.316	60038	347852	77.768	96.495	
5)	L1 1016-4	9.430	6.487	36758	202296	75.876	99.288	#
6)	L1 1016-5	9.700	6.569	39245	143509	75.255	97.633	#
	Sum 1016 -1			227729	1117742	402.650	495.524	
	Average 1016 -1					80.530	99.105	
7)	L2 1260-1	12.465	8.796	86621	245142	86.488	75.023	
8)	L2 1260-2	12.903	9.228	98728	352337	85.171	73.365	
9)	L2 1260-3	13.450	9.667	108109	274548	87.291	71.017	
10)	L2 1260-4	14.711	10.245	126018	152723	86.800	64.128	#
11)	L2 1260-5	15.293	10.758	58010	314072	85.461	65.009	
	Sum 1260-1			477485	1338822	431.211	348.541	
	Average 1260-1					86.242	69.708	

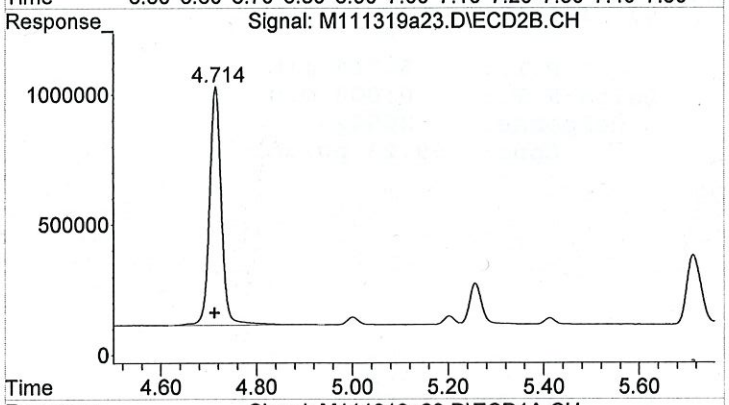
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

LW
11/15/19



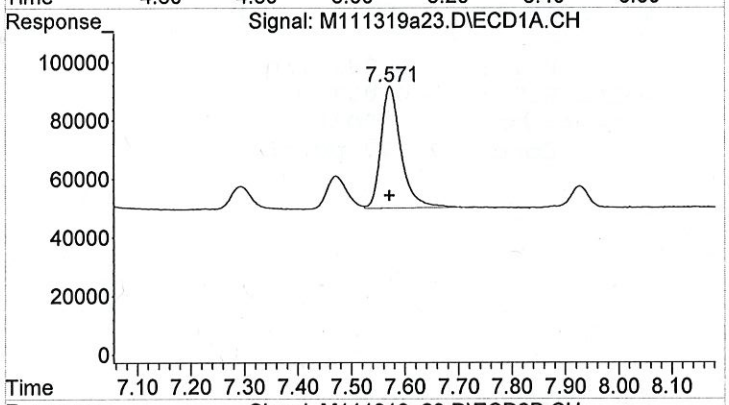
#1 tmx (1)

R.T.: 6.961 min
Delta R.T.: 0.002 min
Response: 255380
Conc: 8.74 pg/uL



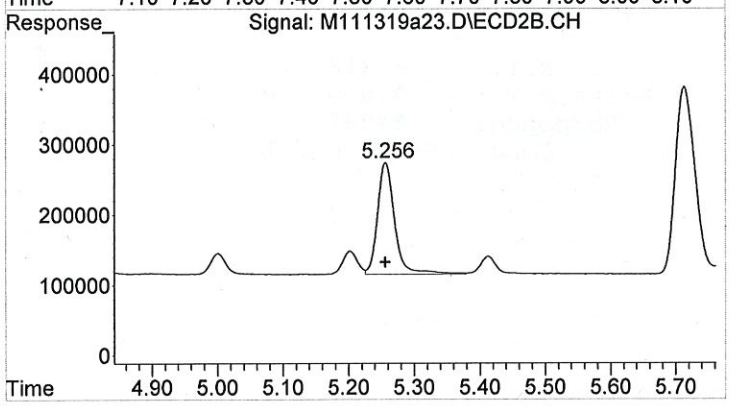
#1 tmx (1)

R.T.: 4.715 min
Delta R.T.: 0.002 min
Response: 914100
Conc: 10.00 pg/uL



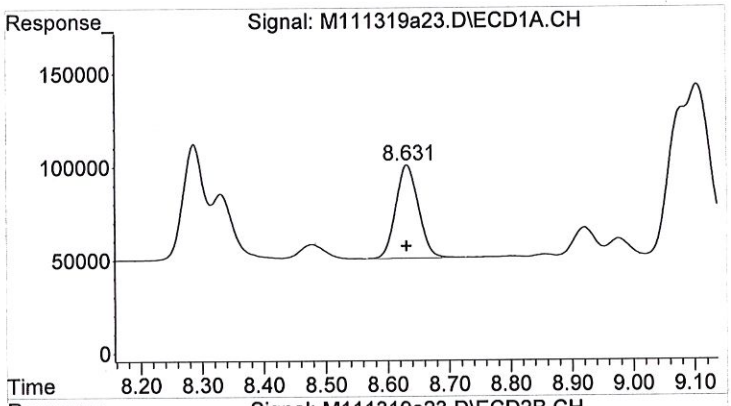
#2 1016 -1

R.T.: 7.572 min
Delta R.T.: 0.000 min
Response: 41660
Conc: 92.82 pg/uL



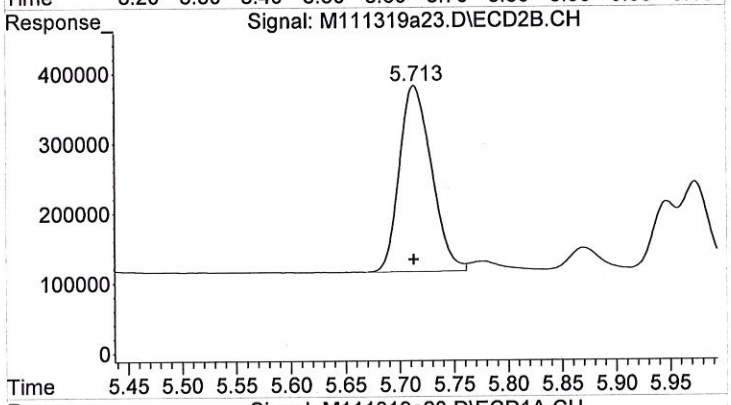
#2 1016 -1

R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 158662
Conc: 102.88 pg/uL



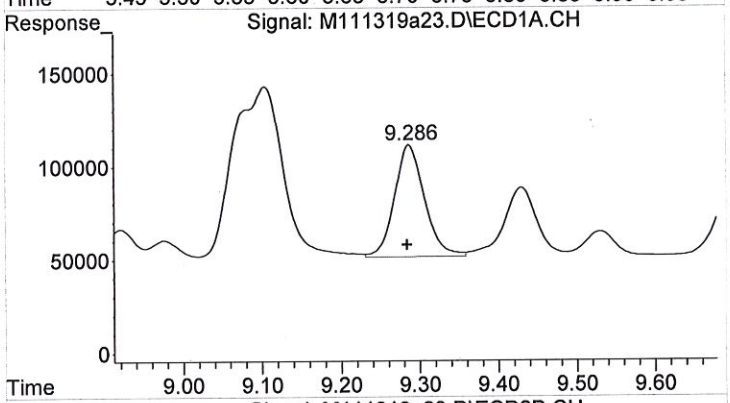
#3 1016-2

R.T.: 8.632 min
Delta R.T.: 0.000 min
Response: 50028
Conc: 80.93 pg/uL



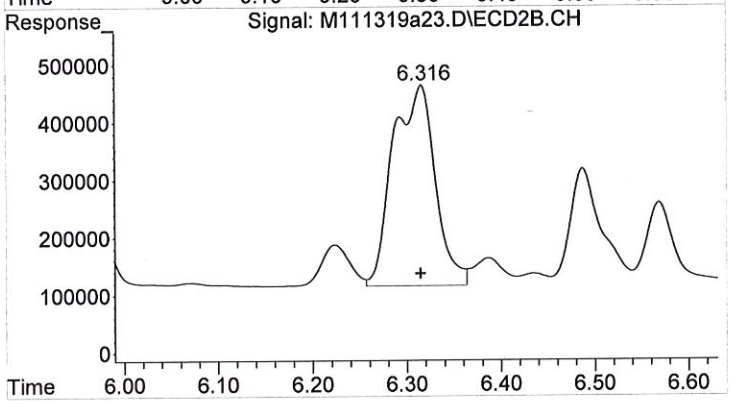
#3 1016-2

R.T.: 5.714 min
Delta R.T.: 0.000 min
Response: 265423
Conc: 99.23 pg/uL



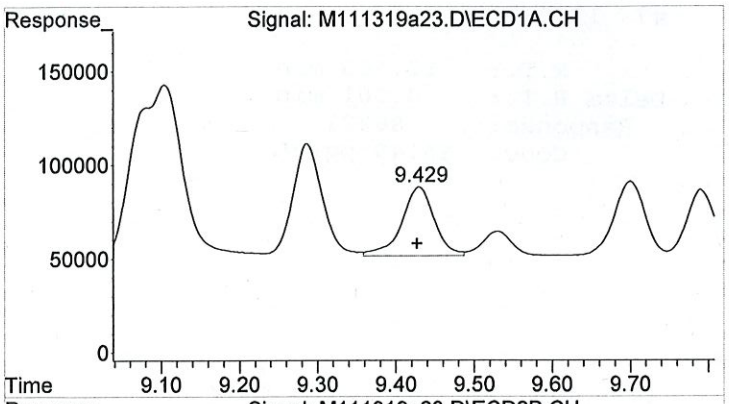
#4 1016-3

R.T.: 9.287 min
Delta R.T.: 0.003 min
Response: 60038
Conc: 77.77 pg/uL



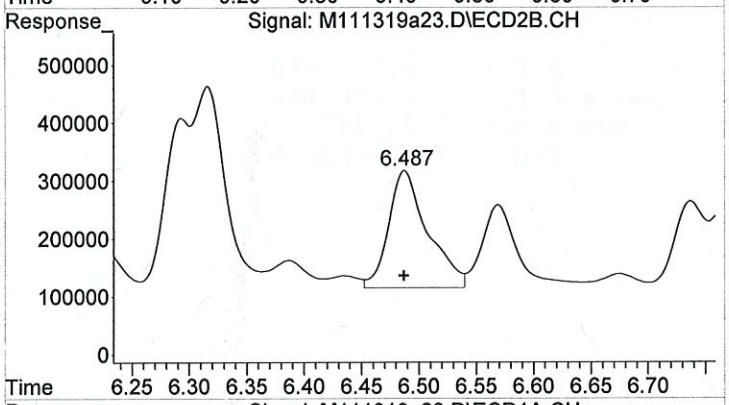
#4 1016-3

R.T.: 6.316 min
Delta R.T.: 0.000 min
Response: 347852
Conc: 96.49 pg/uL



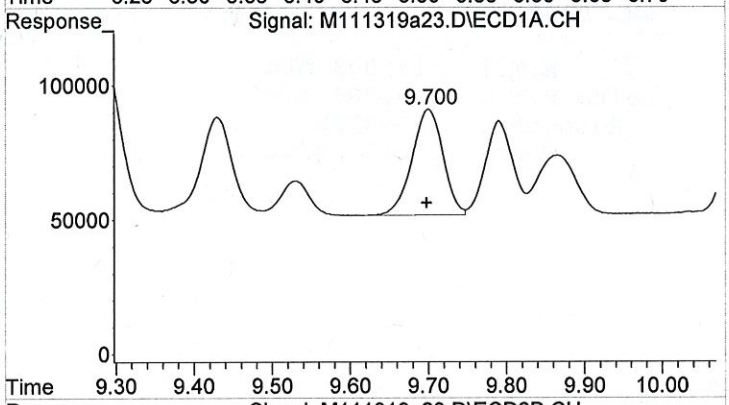
#5 1016-4

R.T.: 9.430 min
Delta R.T.: 0.003 min
Response: 36758
Conc: 75.88 pg/uL



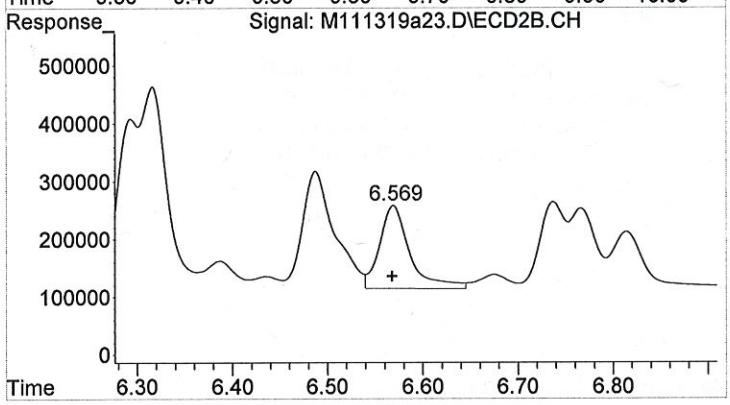
#5 1016-4

R.T.: 6.487 min
Delta R.T.: 0.000 min
Response: 202296
Conc: 99.29 pg/uL



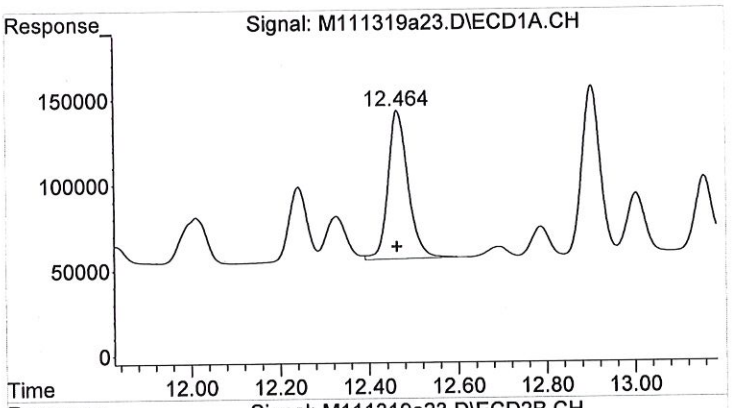
#6 1016-5

R.T.: 9.700 min
Delta R.T.: 0.002 min
Response: 39245
Conc: 75.25 pg/uL



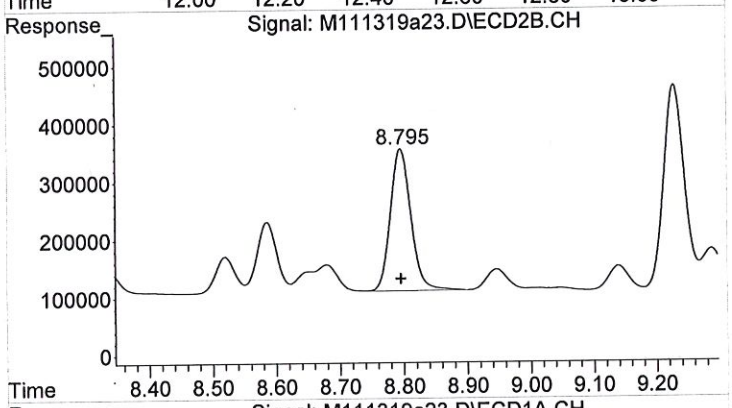
#6 1016-5

R.T.: 6.569 min
Delta R.T.: 0.001 min
Response: 143509
Conc: 97.63 pg/uL



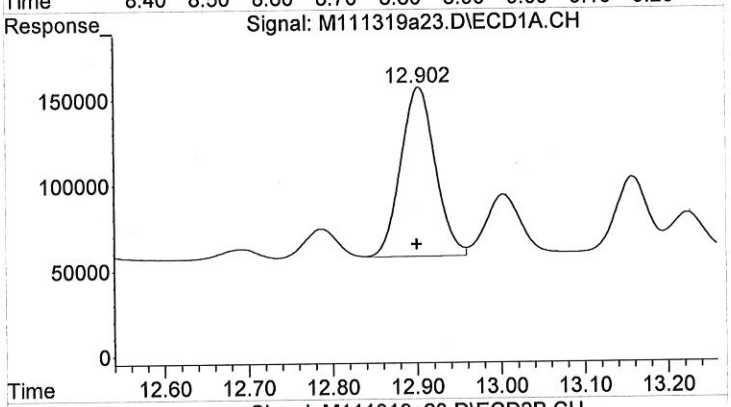
#7 1260-1

R.T.: 12.465 min
Delta R.T.: 0.001 min
Response: 86621
Conc: 86.49 pg/uL



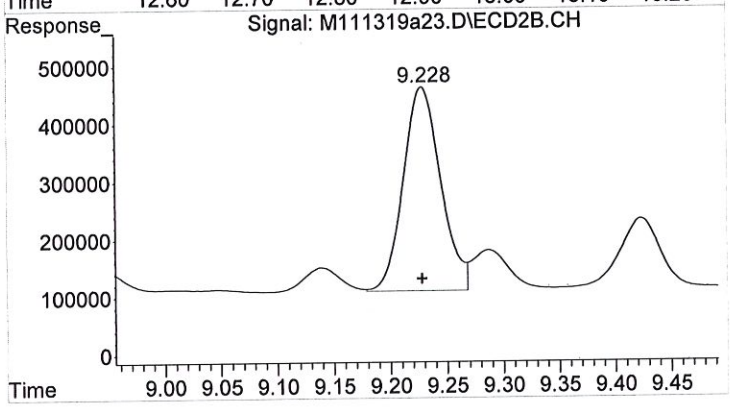
#7 1260-1

R.T.: 8.796 min
Delta R.T.: 0.000 min
Response: 245142
Conc: 75.02 pg/uL



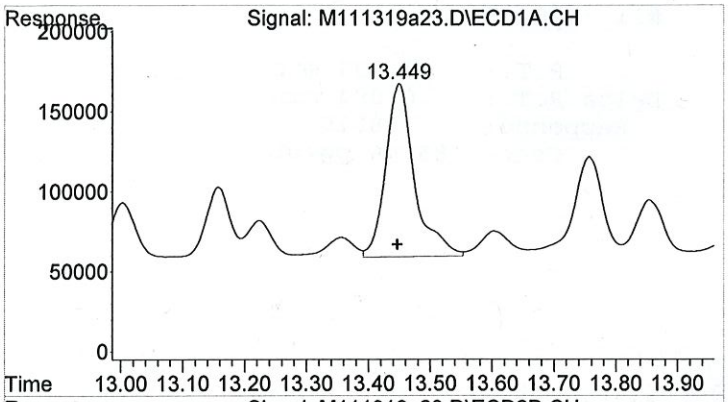
#8 1260-2

R.T.: 12.903 min
Delta R.T.: 0.003 min
Response: 98728
Conc: 85.17 pg/uL



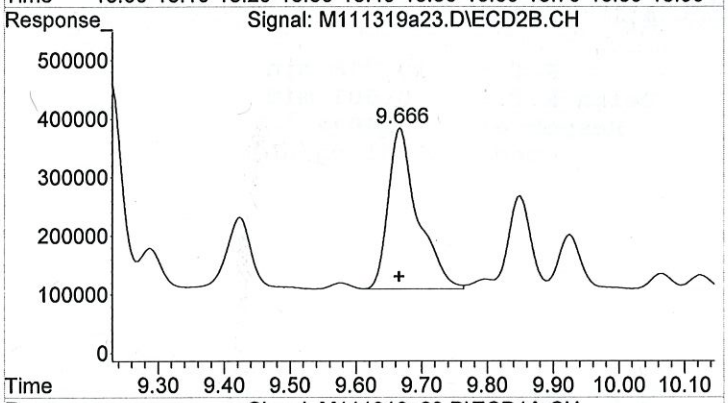
#8 1260-2

R.T.: 9.228 min
Delta R.T.: 0.000 min
Response: 352337
Conc: 73.37 pg/uL



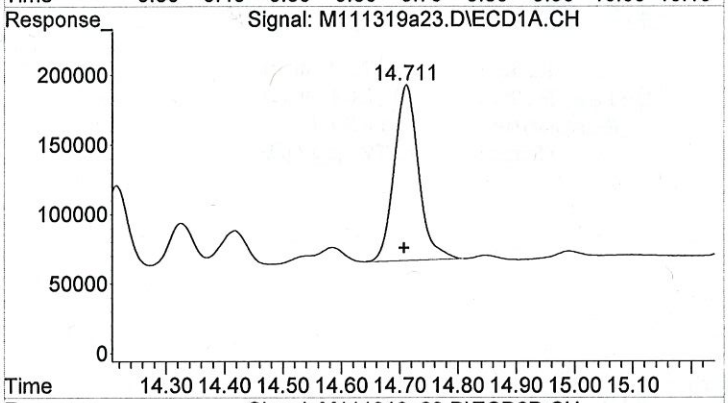
#9 1260-3

R.T.: 13.450 min
Delta R.T.: 0.003 min
Response: 108109
Conc: 87.29 pg/uL



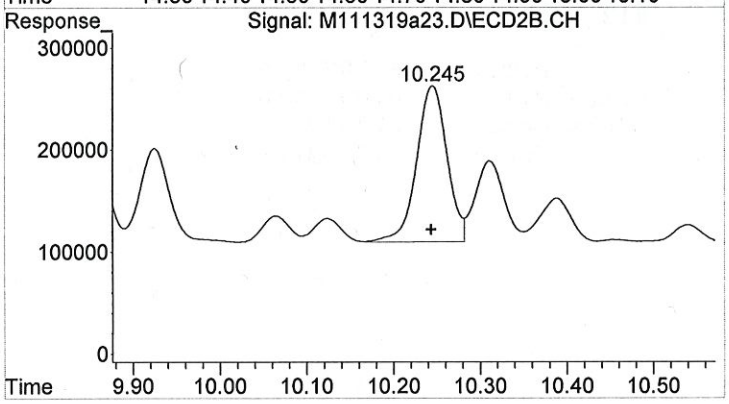
#9 1260-3

R.T.: 9.667 min
Delta R.T.: 0.000 min
Response: 274548
Conc: 71.02 pg/uL



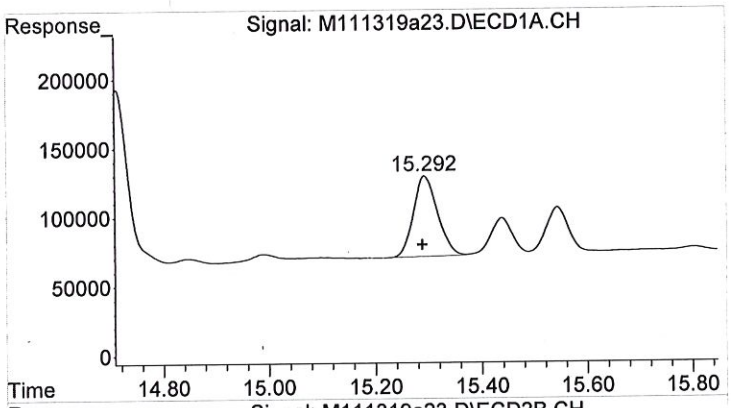
#10 1260-4

R.T.: 14.711 min
Delta R.T.: 0.003 min
Response: 126018
Conc: 86.80 pg/uL



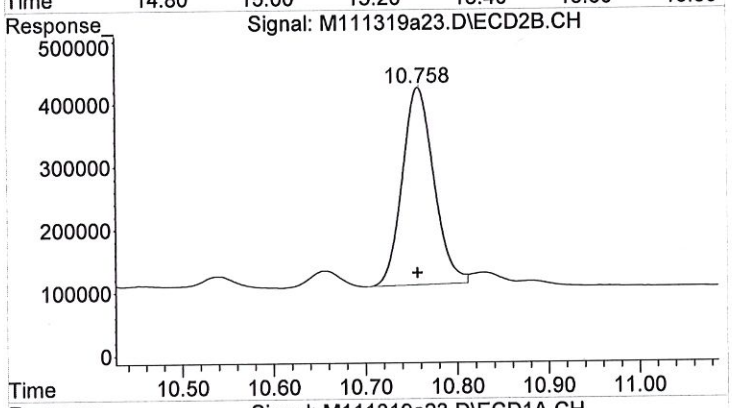
#10 1260-4

R.T.: 10.245 min
Delta R.T.: 0.000 min
Response: 152723
Conc: 64.13 pg/uL



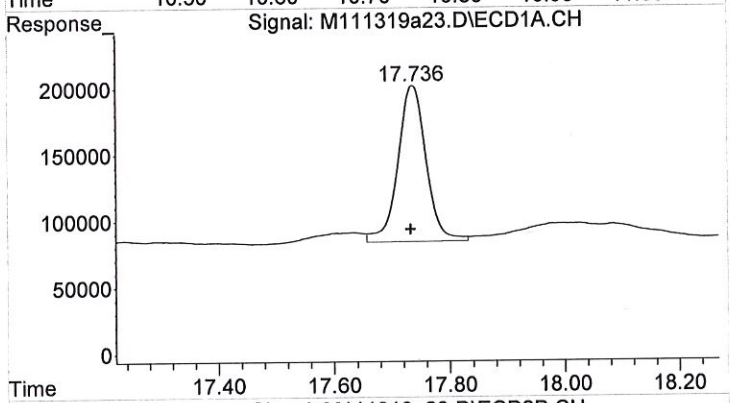
#11 1260-5

R.T.: 15.293 min
Delta R.T.: 0.004 min
Response: 58010
Conc: 85.46 pg/uL



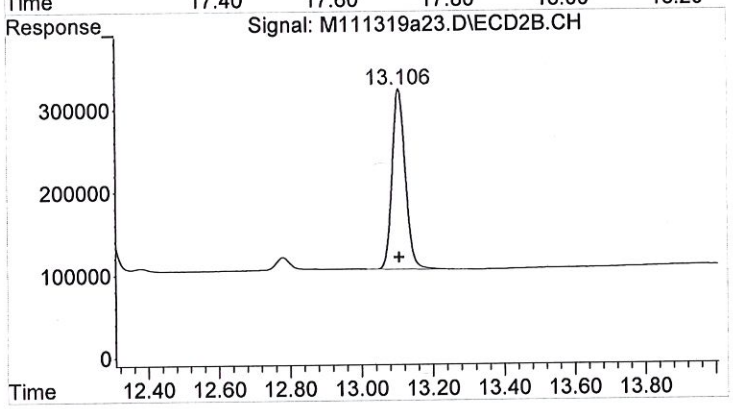
#11 1260-5

R.T.: 10.758 min
Delta R.T.: 0.001 min
Response: 314072
Conc: 65.01 pg/uL



#12 dcb

R.T.: 17.737 min
Delta R.T.: 0.004 min
Response: 117279
Conc: 9.72 pg/uL



#12 dcb

R.T.: 13.107 min
Delta R.T.: 0.000 min
Response: 217640
Conc: 5.12 pg/uL

PCB CCV Report

Data File....: M112019a02.D
Dataname.....: 87PCB032819M
Analyzed.....: 11/20/2019 10:19

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

CCV Level..: 100 pg/uL
ICAL Date..: 11/12/2019

Datafile path....: J:\Organics\Minerva\MINERVA 2019 DATA\M112019PCBDW\M112019a02.D
DP Method path...: J:\Organics\Minerva\Methods\M111219PCB1260.M

PCB 1016/1260 Cont Cal 100 pg/uL

CAS #	Compound	RT	Exp RT	Area	Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate					Criteria range: <±20%D			
	tmx (1)	6.96	6.96	294858	10	10.1	1.4	
	dcb	17.73	17.73	111759	10	9.24	-7.6	
	tmx (1) #2	4.71	4.71	949848	10	10.4	4.0	
	dcb #2	13.10	13.11	336654	10	8.05	-19	
Target					Criteria range: <±20%D			
	1016 -1	7.57	7.57	48880	100	111	11	
	1016-2	8.63	8.63	64605	100	108	8.0	
	1016-3	9.28	9.28	79112	100	105	4.8	
	1016-4	9.42	9.43	49203	100	103	2.8	
	1016-5	9.70	9.70	51725	100	102	2.0	
	1260-1	12.46	12.46	93881	100	94.3	-5.7	
	1260-2	12.90	12.90	106476	100	92.2	-7.8	
	1260-3	13.45	13.45	111750	100	90.3	-9.7	
	1260-4	14.71	14.71	129755	100	89.4	-11	
	1260-5	15.29	15.29	62385	100	92.0	-8.0	
	1016 -1 #2	5.25	5.26	167644	100	109	9.2	
	1016-2 #2	5.71	5.71	283614	100	107	6.6	
	1016-3 #2	6.31	6.32	379570	100	106	5.7	
	1016-4 #2	6.49	6.49	213943	100	105	5.4	
	1016-5 #2	6.57	6.57	150470	100	103	2.6	
	1260-1 #2	8.79	8.80	322755	100	101	1.1	
	1260-2 #2	9.23	9.23	469107	100	99.6	-0.39	
	1260-3 #2	9.66	9.67	373078	100	97.5	-2.5	
	1260-4 #2	10.24	10.24	220636	100	94.6	-5.4	
	1260-5 #2	10.76	10.76	430279	100	89.1	-11	

Average %Difference:	%Diff
1016 Column 1 (n=5)	5.7
1016 Column 2 (n=5)	5.9
1260 Column 1 (n=5)	-8.4
1260 Column 2 (n=5)	-3.6

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M112019PCBDW\
Data File : M112019a02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Nov 2019 10:19 am
Operator : DWOOD
Sample : 87PCB032819M
Misc : PCB 1016/1260 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: EVENTS1.E
Quant Time: Dec 06 12:39:32 2019
Quant Method : J:\Organics\Minerva\Methods\M111219PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Nov 12 15:48:19 2019
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)	6.959	4.713	294858	949848	10.137	10.399
12) S2 dcb	17.732	13.104	111759	336654	9.243	8.054
Target Compounds						
2) L1 1016 -1	7.570	5.255	48880	167644	110.720	109.249
3) L1 1016-2	8.629	5.712	64605	283614	107.960	106.611
4) L1 1016-3	9.283	6.314	79112	379570	104.777	105.723
5) L1 1016-4	9.425	6.485	49203	213943	102.842	105.384
6) L1 1016-5	9.697	6.566	51725	150470	101.955	102.606
Sum 1016 -1			293525	1195241	528.255	529.573
Average 1016 -1					105.651	105.915
7) L2 1260-1	12.464	8.793	93881	322755	94.260	101.134
8) L2 1260-2	12.898	9.226	106476	469107	92.215	99.615
9) L2 1260-3	13.447	9.663	111750	373078	90.317	97.508
10) L2 1260-4	14.707	10.242	129755	220636	89.384	94.560
11) L2 1260-5	15.288	10.756	62385	430279	92.021	89.113
Sum 1260-1			504247	1815855	458.197	481.931
Average 1260-1					91.639	96.386

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

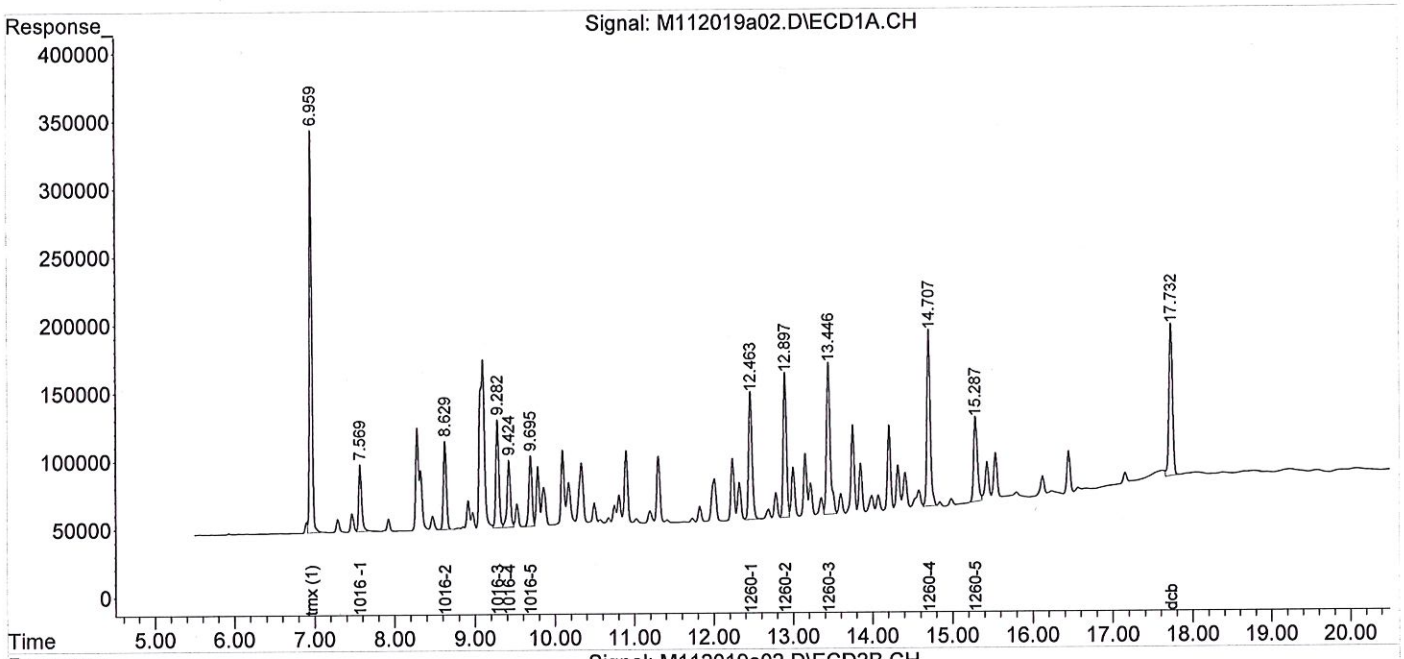
lw
12/06/19

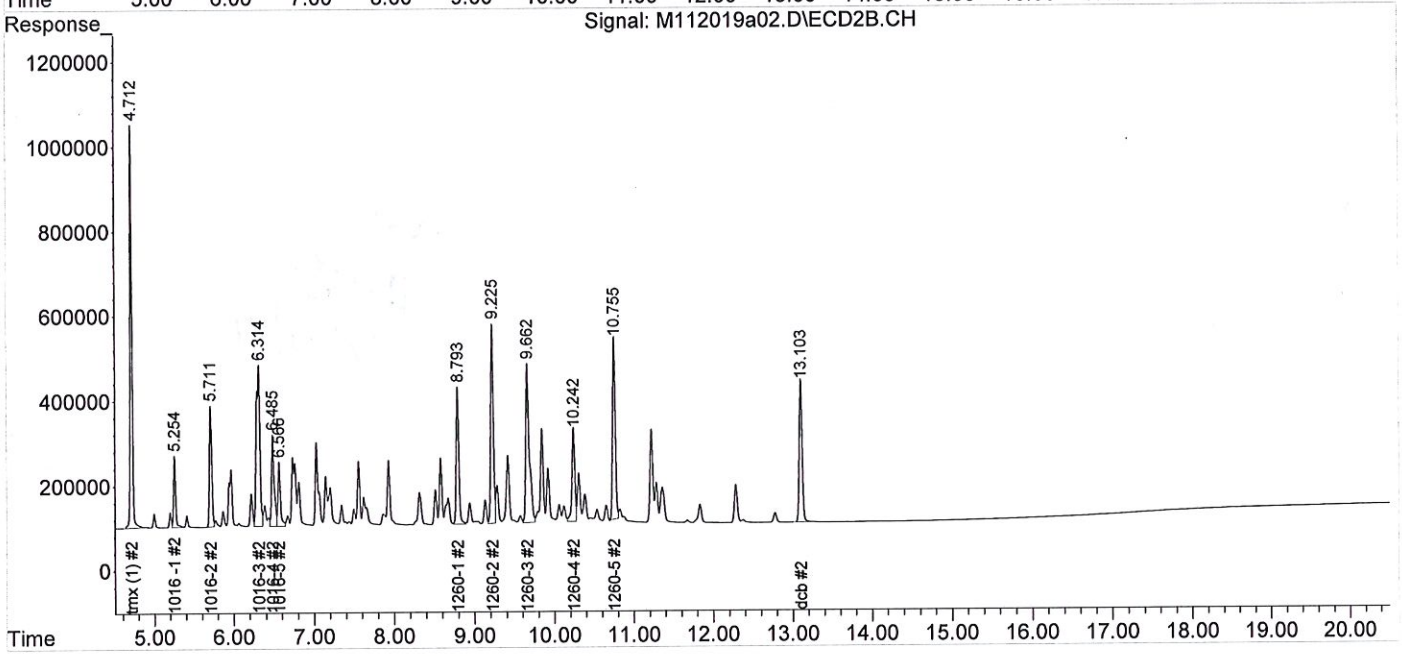
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M112019PCBDW\
Data File : M112019a02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Nov 2019 10:19 am
Operator : DWOOD
Sample : 87PCB032819M
Misc : PCB 1016/1260 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: EVENTS1.E
Quant Time: Dec 06 12:39:32 2019
Quant Method : J:\Organics\Minerva\Methods\M111219PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Nov 12 15:48:19 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M112019PCBDW\
Data File : M112019a02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Nov 2019 10:19 am
Operator : DWOOD
Sample : 87PCB032819M
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

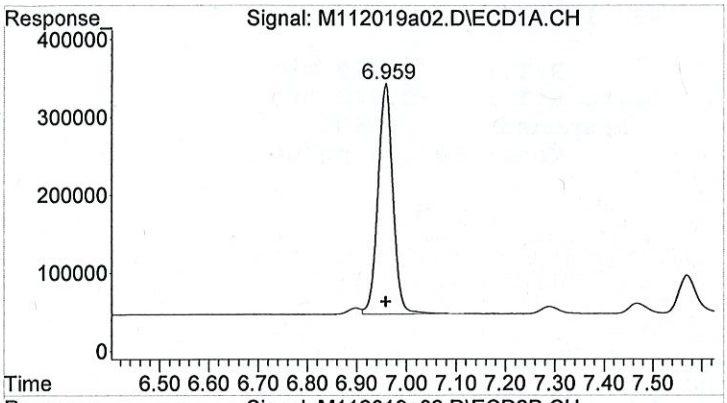
Integration File signal 1: EVENTS1.E
Integration File signal 2: EVENTS1.E
Quant Time: Dec 06 12:39:32 2019
Quant Method : J:\Organics\Minerva\Methods\M111219PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Nov 12 15:48:19 2019
Response via : Initial Calibration
Integrator: ChemStation 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)	6.959	4.713	294858	949848	10.137	10.399
12) S2 dcb	17.732	13.104	111759	336654	9.243	8.054
Target Compounds						
2) L1 1016 -1	7.570	5.255	48880	167644	110.720	109.249
3) L1 1016-2	8.629	5.712	64605	283614	107.960	106.611
4) L1 1016-3	9.283	6.314	79112	379570	104.777	105.723
5) L1 1016-4	9.425	6.485	49203	213943	102.842	105.384
6) L1 1016-5	9.697	6.566	51725	150470	101.955	102.606
Sum 1016 -1			293525	1195241	528.255	529.573
Average 1016 -1					105.651	105.915
7) L2 1260-1	12.464	8.793	93881	322755	94.260	101.134
8) L2 1260-2	12.898	9.226	106476	469107	92.215	99.615
9) L2 1260-3	13.447	9.663	111750	373078	90.317	97.508
10) L2 1260-4	14.707	10.242	129755	220636	89.384	94.560
11) L2 1260-5	15.288	10.756	62385	430279	92.021	89.113
Sum 1260-1			504247	1815855	458.197	481.931
Average 1260-1					91.639	96.386

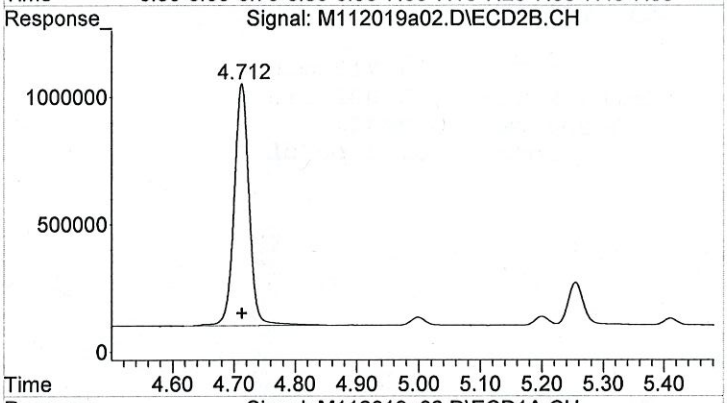
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

MW
12/6/19



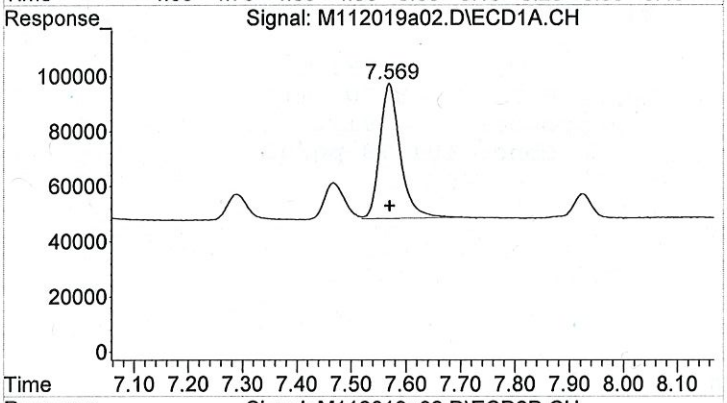
#1 tmx (1)

R.T.: 6.959 min
Delta R.T.: 0.000 min
Response: 294858
Conc: 10.14 pg/uL



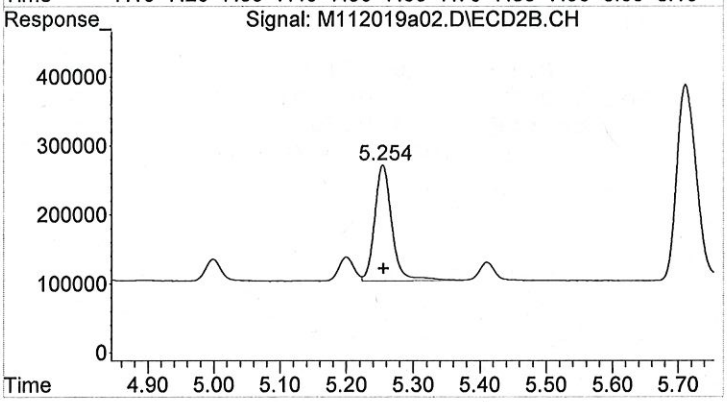
#1 tmx (1)

R.T.: 4.713 min
Delta R.T.: 0.000 min
Response: 949848
Conc: 10.40 pg/uL



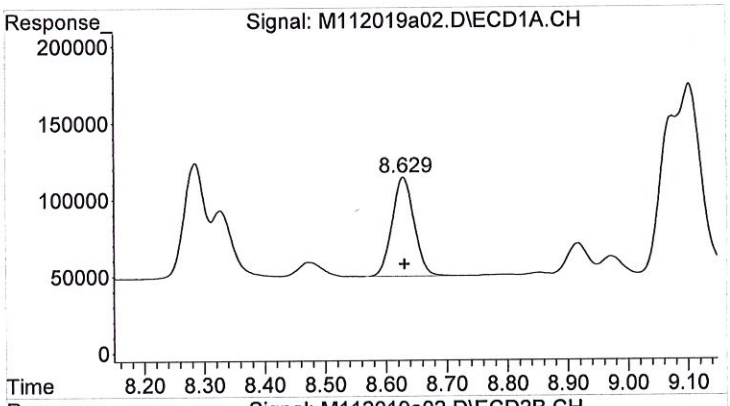
#2 1016 -1

R.T.: 7.570 min
Delta R.T.: -0.001 min
Response: 48880
Conc: 110.72 pg/uL



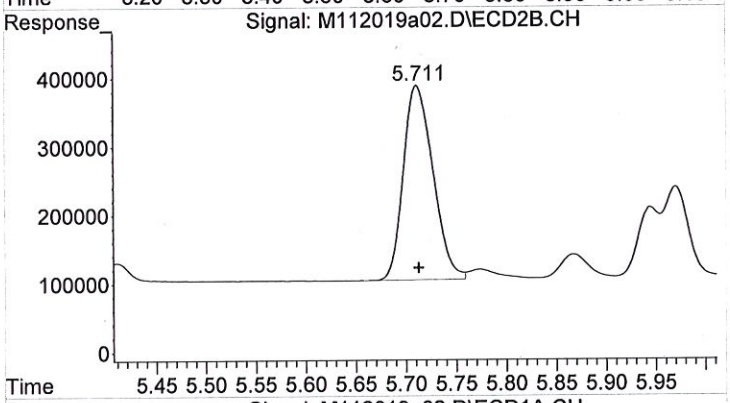
#2 1016 -1

R.T.: 5.255 min
Delta R.T.: -0.001 min
Response: 167644
Conc: 109.25 pg/uL



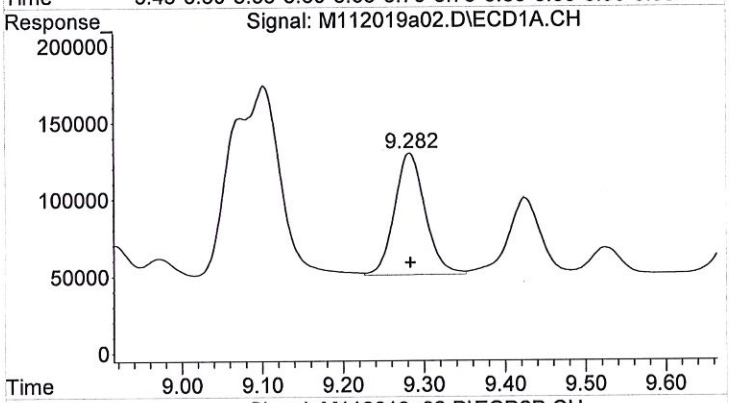
#3 1016-2

R.T.: 8.629 min
Delta R.T.: -0.002 min
Response: 64605
Conc: 107.96 pg/uL



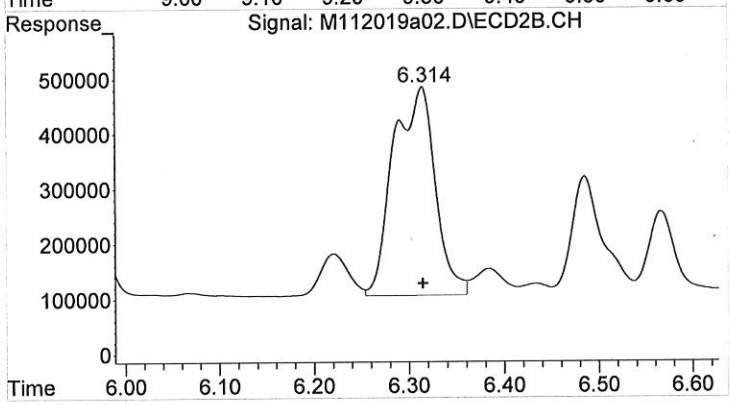
#3 1016-2

R.T.: 5.712 min
Delta R.T.: -0.002 min
Response: 283614
Conc: 106.61 pg/uL



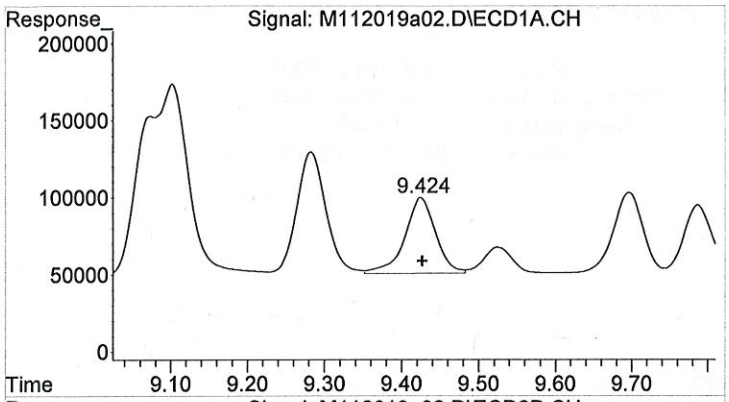
#4 1016-3

R.T.: 9.283 min
Delta R.T.: -0.001 min
Response: 79112
Conc: 104.78 pg/uL



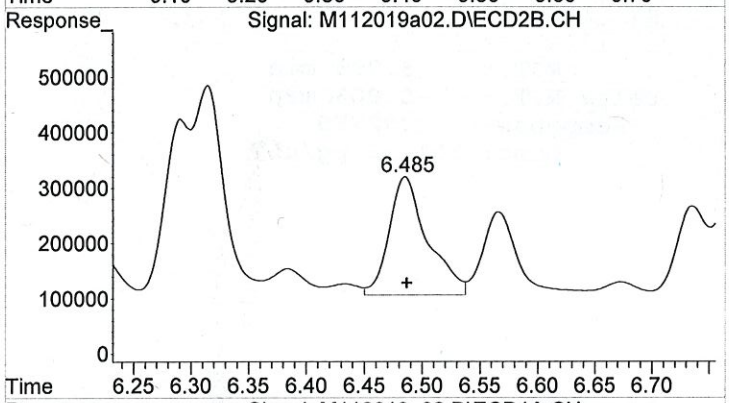
#4 1016-3

R.T.: 6.314 min
Delta R.T.: 0.000 min
Response: 379570
Conc: 105.72 pg/uL



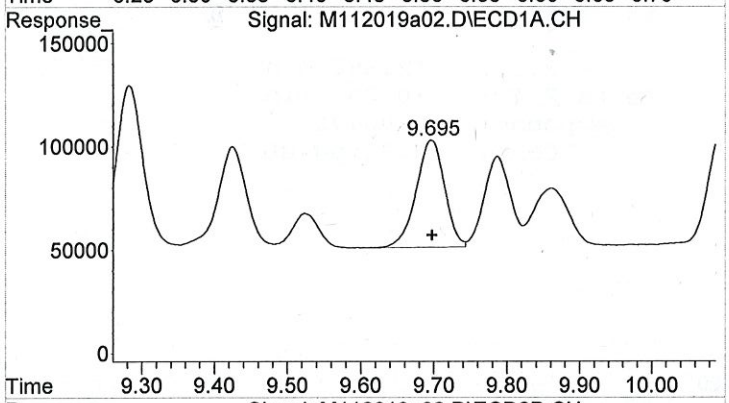
#5 1016-4

R.T.: 9.425 min
Delta R.T.: -0.002 min
Response: 49203
Conc: 102.84 pg/uL



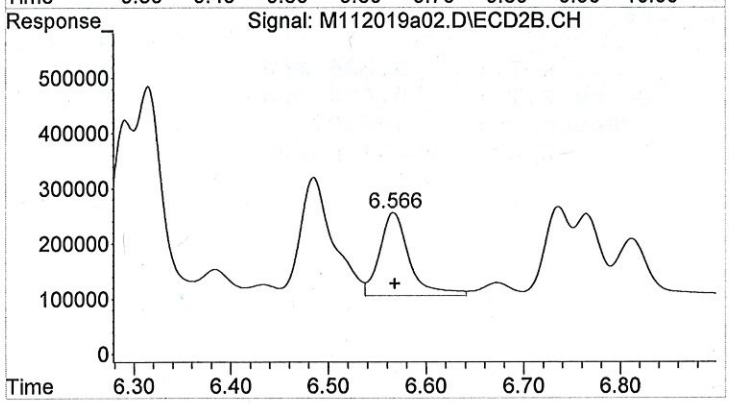
#5 1016-4

R.T.: 6.485 min
Delta R.T.: -0.002 min
Response: 213943
Conc: 105.38 pg/uL



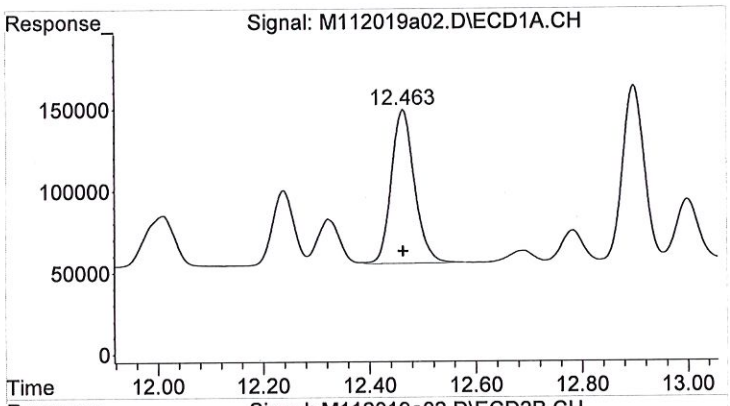
#6 1016-5

R.T.: 9.697 min
Delta R.T.: -0.001 min
Response: 51725
Conc: 101.96 pg/uL



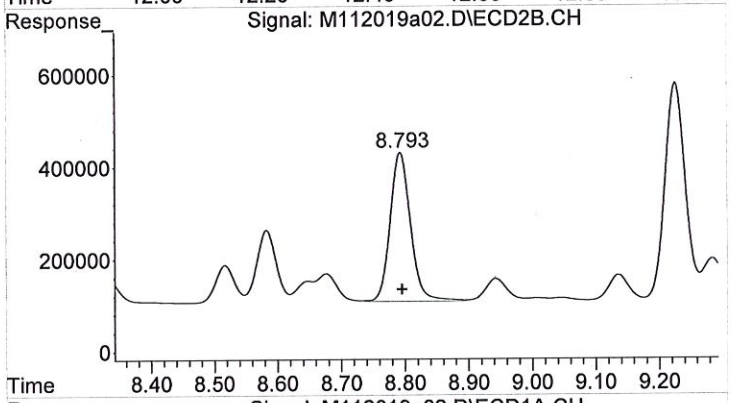
#6 1016-5

R.T.: 6.566 min
Delta R.T.: -0.002 min
Response: 150470
Conc: 102.61 pg/uL



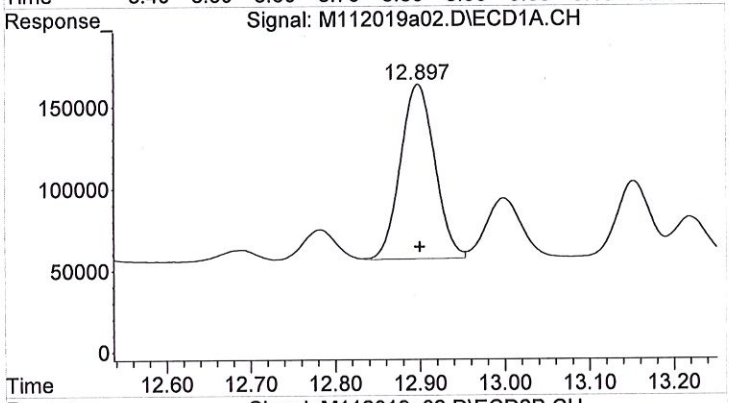
#7 1260-1

R.T.: 12.464 min
Delta R.T.: 0.000 min
Response: 93881
Conc: 94.26 pg/uL



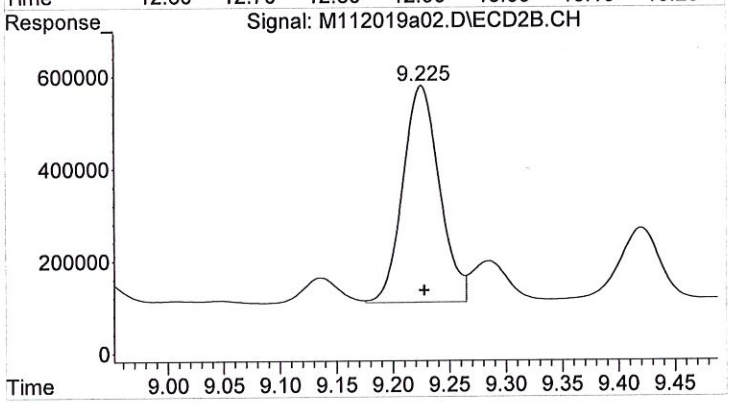
#7 1260-1

R.T.: 8.793 min
Delta R.T.: -0.003 min
Response: 322755
Conc: 101.13 pg/uL



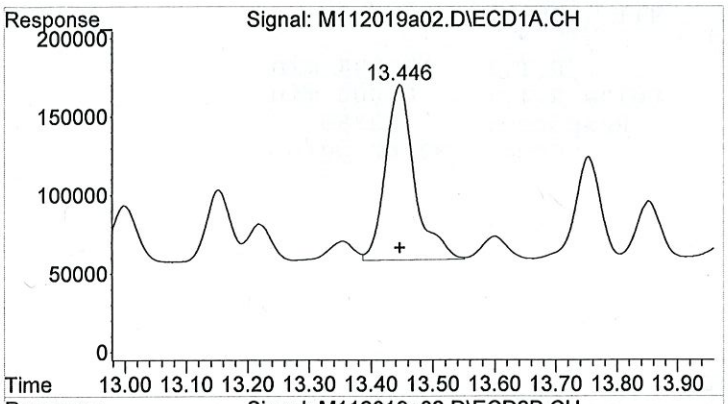
#8 1260-2

R.T.: 12.898 min
Delta R.T.: -0.002 min
Response: 106476
Conc: 92.22 pg/uL



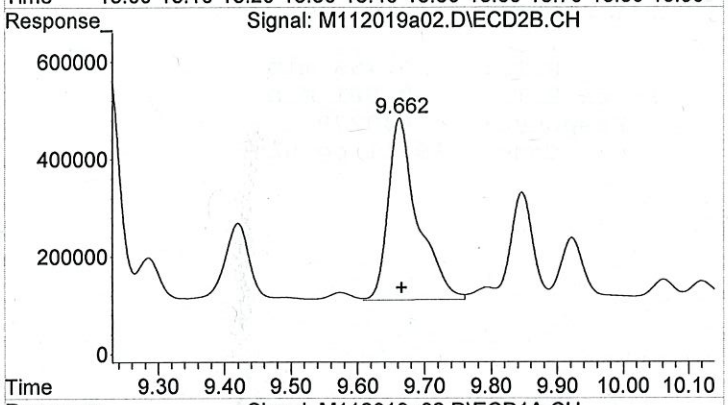
#8 1260-2

R.T.: 9.226 min
Delta R.T.: -0.002 min
Response: 469107
Conc: 99.61 pg/uL



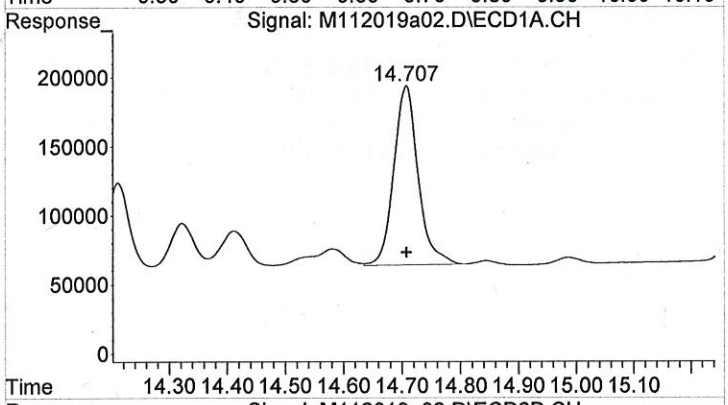
#9 1260-3

R.T.: 13.447 min
Delta R.T.: 0.000 min
Response: 111750
Conc: 90.32 pg/uL



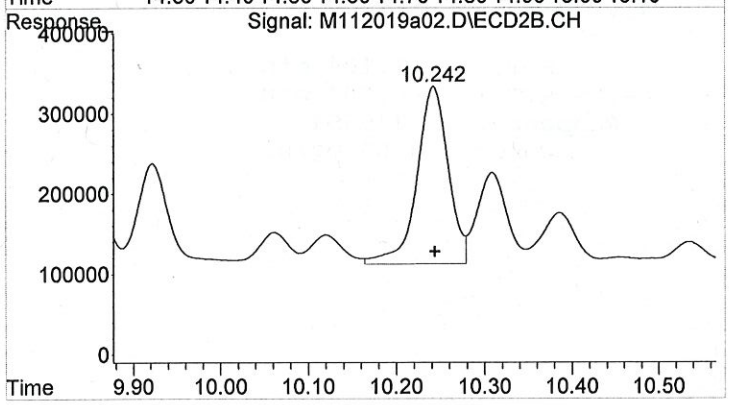
#9 1260-3

R.T.: 9.663 min
Delta R.T.: -0.003 min
Response: 373078
Conc: 97.51 pg/uL



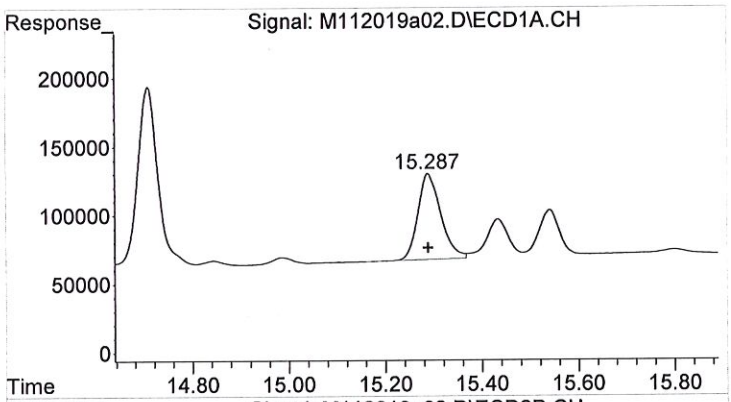
#10 1260-4

R.T.: 14.707 min
Delta R.T.: 0.000 min
Response: 129755
Conc: 89.38 pg/uL



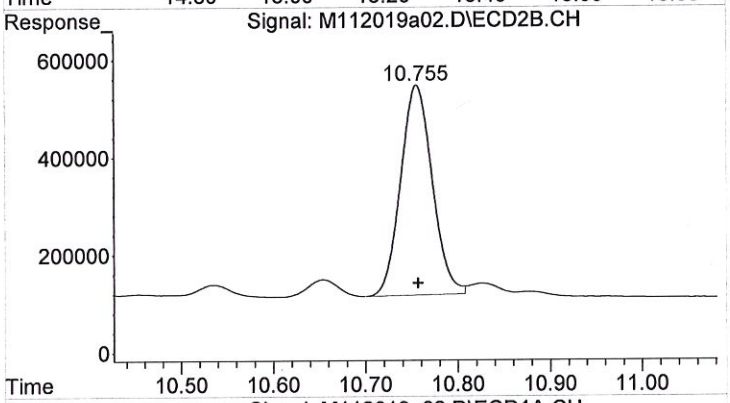
#10 1260-4

R.T.: 10.242 min
Delta R.T.: -0.002 min
Response: 220636
Conc: 94.56 pg/uL



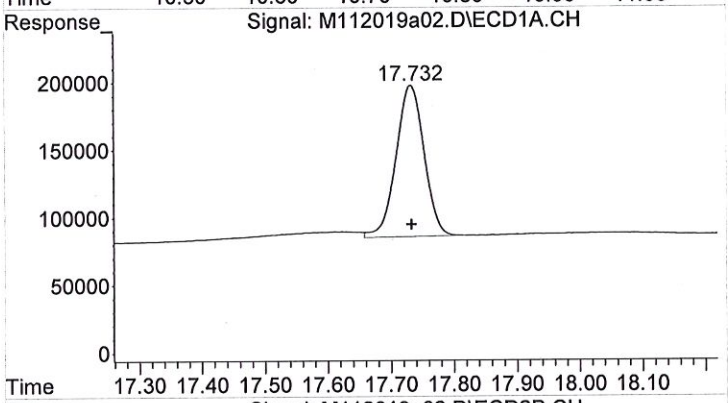
#11 1260-5

R.T.: 15.288 min
Delta R.T.: 0.000 min
Response: 62385
Conc: 92.02 pg/uL



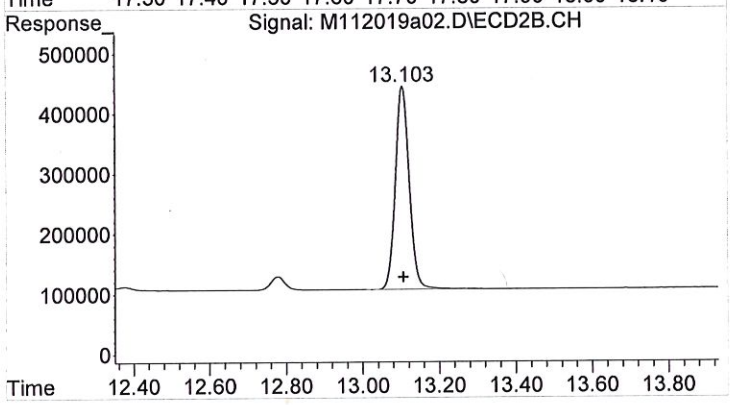
#11 1260-5

R.T.: 10.756 min
Delta R.T.: -0.001 min
Response: 430279
Conc: 89.11 pg/uL



#12 dcb

R.T.: 17.732 min
Delta R.T.: -0.001 min
Response: 111759
Conc: 9.24 pg/uL



#12 dcb

R.T.: 13.104 min
Delta R.T.: -0.003 min
Response: 336654
Conc: 8.05 pg/uL

PCB CCV Report

Data File....: M112019a10.D
Dataname.....: 87PCB032819M
Analyzed.....: 11/20/2019 13:36

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

CCV Level..: 100 pg/uL
ICAL Date..: 11/12/2019

Datafile path....: J:\Organics\Minerva\MINERVA 2019 DATA\M112019PCBDW\M112019a10.D
DP Method path...: J:\Organics\Minerva\Methods\M111219PCB1260.M

PCB 1016/1260 Cont Cal 100 pg/uL

CAS #	Compound	RT	Exp RT	Area	Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate					Criteria range: <±20%D			
	tmx (1)	6.96	6.96	292561	10	10.1	0.6	
	dcb	17.73	17.73	124105 m	10	10.3	3.2	
	tmx (1) #2	4.71	4.71	949830	10	10.4	4.0	
	dcb #2	13.10	13.11	370549 m	10	8.89	-11	
Target					Criteria range: <±20%D			
	1016 -1	7.57	7.57	48244	100	109	9.1	
	1016-2	8.62	8.63	62741	100	105	4.5	
	1016-3	9.28	9.28	77652	100	103	2.7	
	1016-4	9.42	9.43	49946	100	104	4.5	
	1016-5	9.69	9.70	53009	100	105	4.7	
	1260-1	12.46	12.46	107659	100	109	9.0	
	1260-2	12.89	12.90	121165	100	106	5.6	
	1260-3	13.44	13.45	132188	100	107	7.3	
	1260-4	14.70	14.71	150181	100	104	3.5	
	1260-5	15.28	15.29	69042	100	102	2.0	
	1016 -1 #2	5.25	5.26	173024	100	113	13	
	1016-2 #2	5.71	5.71	289609	100	109	9.0	
	1016-3 #2	6.31	6.32	387013	100	108	7.9	
	1016-4 #2	6.48	6.49	223180	100	110	10	
	1016-5 #2	6.56	6.57	155881	100	106	6.5	
	1260-1 #2	8.79	8.80	335680	100	105	5.5	
	1260-2 #2	9.22	9.23	498023	100	106	6.1	
	1260-3 #2	9.66	9.67	390664	100	102	2.2	
	1260-4 #2	10.24	10.24	232550	100	99.9	-0.10	
	1260-5 #2	10.75	10.76	483997	100	100	0.26	

Average %Difference:	%Diff
1016 Column 1 (n=5)	5.1
1016 Column 2 (n=5)	9.3
1260 Column 1 (n=5)	5.5
1260 Column 2 (n=5)	2.8

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M112019PCBDW\
Data File : M112019a10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Nov 2019 1:36 pm
Operator : DWOOD
Sample : 87PCB032819M
Misc : PCB 1016/1260 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: EVENTS1.E
Quant Time: Dec 06 12:56:22 2019
Quant Method : J:\Organics\Minerva\Methods\M111219PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Nov 12 15:48:19 2019
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)	6.955	4.712	292561	949830	10.055	10.399
12)	S2 dcb	17.727	13.101	124105	370549	10.317m	8.890m
	Target Compounds						
2)	L1 1016 -1	7.565	5.253	48244	173024	109.143	113.064
3)	L1 1016-2	8.625	5.710	62741	289609	104.503	109.044
4)	L1 1016-3	9.279	6.312	77652	387013	102.710	107.888
5)	L1 1016-4	9.421	6.483	49946	223180	104.453	110.218
6)	L1 1016-5	9.692	6.565	53009	155881	104.702	106.472
	Sum 1016 -1			291591	1228707	525.510	546.687
	Average 1016 -1					105.102	109.337
7)	L2 1260-1	12.458	8.792	107659	335680	109.011	105.483
8)	L2 1260-2	12.894	9.224	121165	498023	105.571	106.115
9)	L2 1260-3	13.439	9.662	132188	390664	107.302	102.237
10)	L2 1260-4	14.702	10.240	150181	232550	103.502	99.899
11)	L2 1260-5	15.285	10.753	69042	483997	102.003	100.255
	Sum 1260-1			580235	1940914	527.389	513.989
	Average 1260-1					105.478	102.798

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

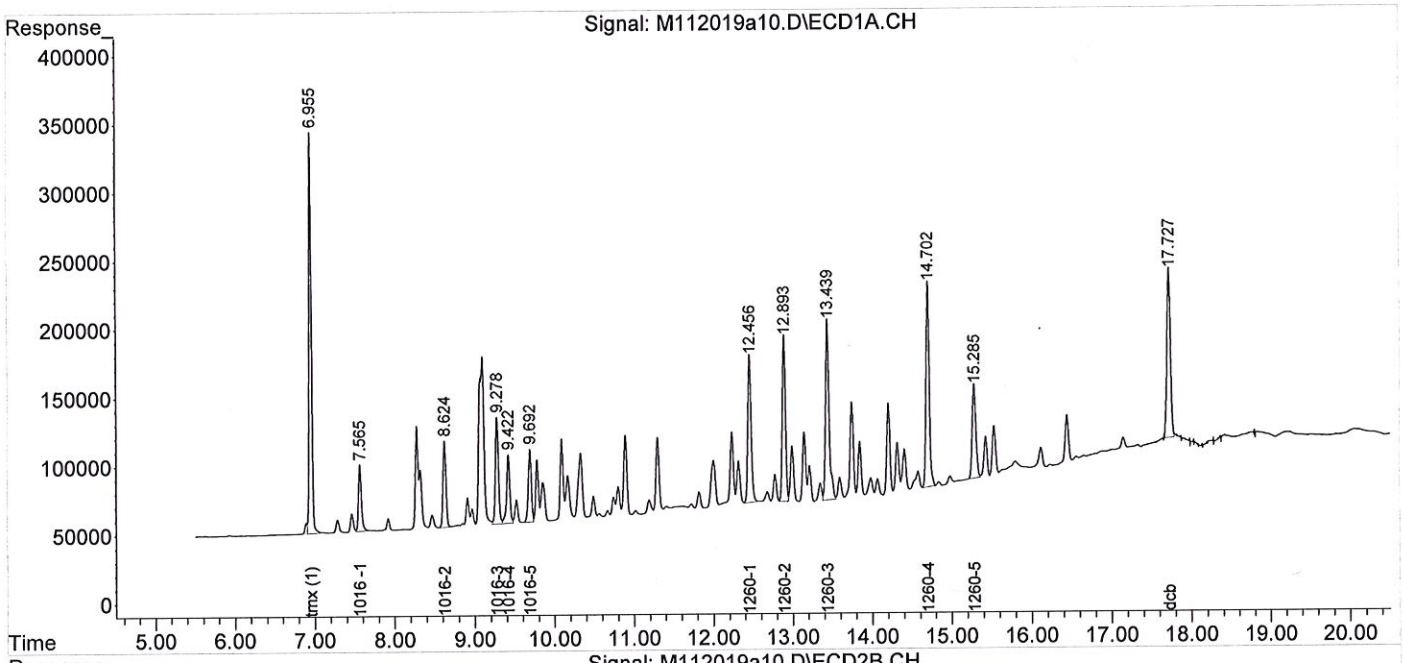
hw
12/6/19

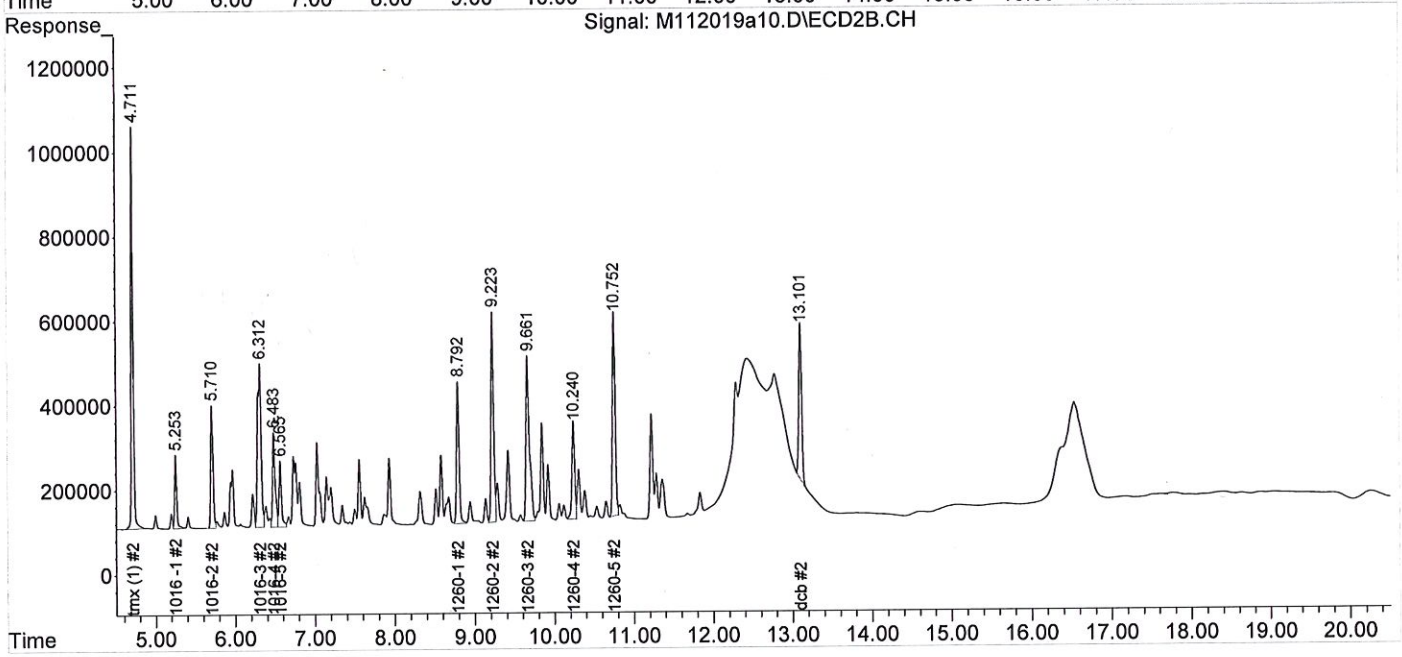
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M112019PCBDW\
Data File : M112019a10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Nov 2019 1:36 pm
Operator : DWOOD
Sample : 87PCB032819M
Misc : PCB 1016/1260 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: EVENTS1.E
Quant Time: Dec 06 12:56:22 2019
Quant Method : J:\Organics\Minerva\Methods\M111219PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Nov 12 15:48:19 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M112019PCBDW\
Data File : M112019a10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Nov 2019 1:36 pm
Operator : DWOOD
Sample : 87PCB032819M
Misc : PCB 1016/1260 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

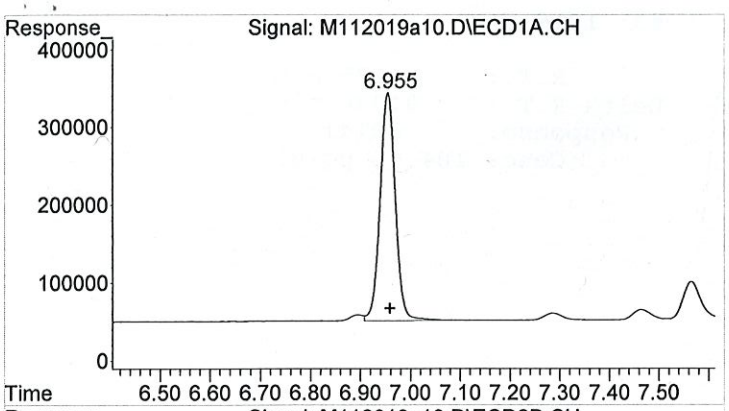
Integration File signal 1: EVENTS1.E
Integration File signal 2: EVENTS1.E
Quant Time: Dec 06 12:39:56 2019
Quant Method : J:\Organics\Minerva\Methods\M111219PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Nov 12 15:48:19 2019
Response via : Initial Calibration
Integrator: ChemStation 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)	6.955	4.712	292561	949830	10.055	10.399
12) S2 dcb	17.727	13.102	133418 B	453434 B	11.127	10.933
Target Compounds						
2) L1 1016 -1	7.565	5.253	48244	173024	109.143	113.064
3) L1 1016-2	8.625	5.710	62741	289609	104.503	109.044
4) L1 1016-3	9.279	6.312	77652	387013	102.710	107.888
5) L1 1016-4	9.421	6.483	49946	223180	104.453	110.218
6) L1 1016-5	9.692	6.565	53009	155881	104.702	106.472
Sum 1016 -1			291591	1228707	525.510	546.687
Average 1016 -1					105.102	109.337
7) L2 1260-1	12.458	8.792	107659	335680	109.011	105.483
8) L2 1260-2	12.894	9.224	121165	498023	105.571	106.115
9) L2 1260-3	13.439	9.662	132188	390664	107.302	102.237
10) L2 1260-4	14.702	10.240	150181	232550	103.502	99.899
11) L2 1260-5	15.285	10.753	69042	483997	102.003	100.255
Sum 1260-1			580235	1940914	527.389	513.989
Average 1260-1					105.478	102.798

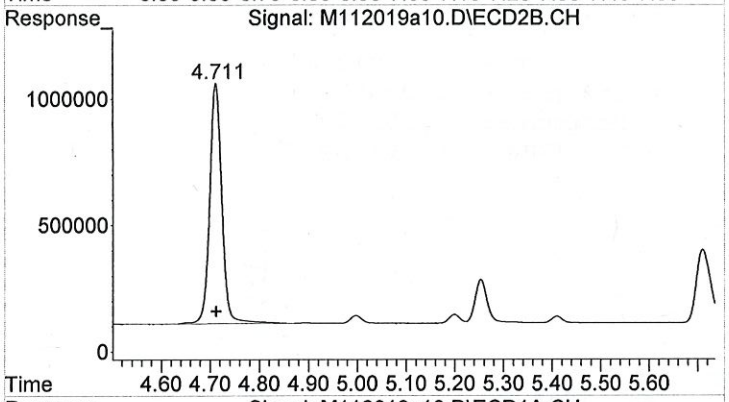
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

MW
12/6/19



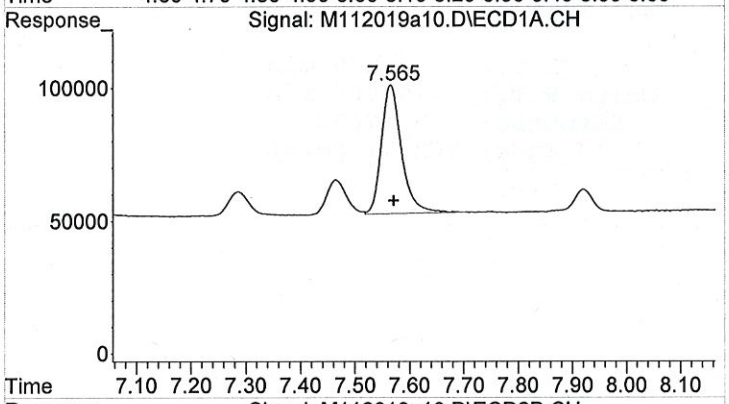
#1 tmx (1)

R.T.: 6.955 min
Delta R.T.: -0.004 min
Response: 292561
Conc: 10.06 pg/uL



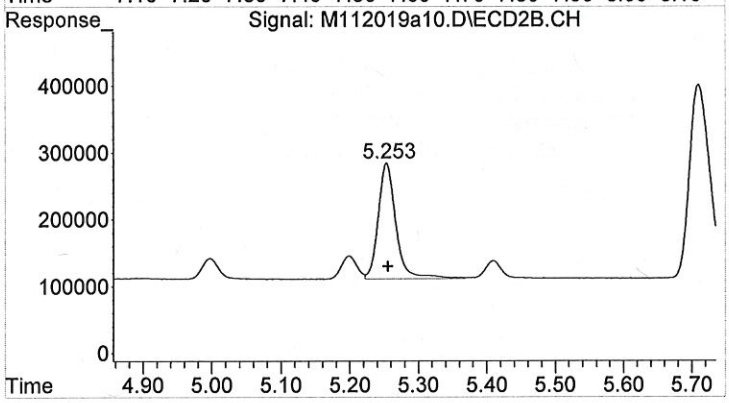
#1 tmx (1)

R.T.: 4.712 min
Delta R.T.: -0.001 min
Response: 949830
Conc: 10.40 pg/uL



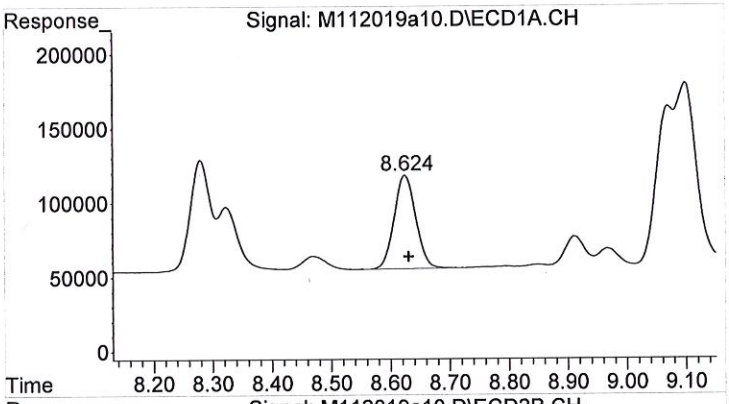
#2 1016 -1

R.T.: 7.565 min
Delta R.T.: -0.006 min
Response: 48244
Conc: 109.14 pg/uL



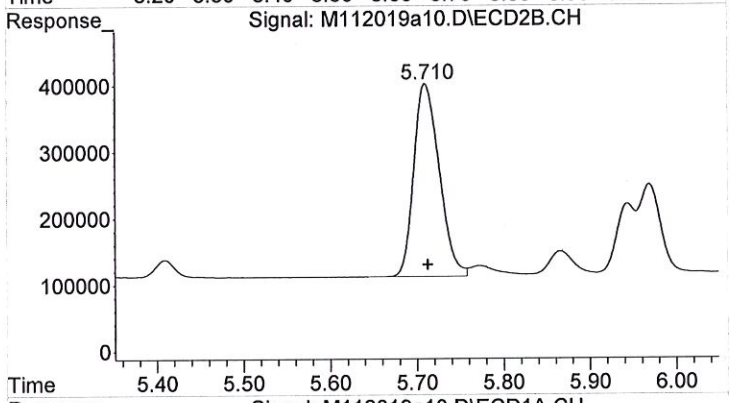
#2 1016 -1

R.T.: 5.253 min
Delta R.T.: -0.003 min
Response: 173024
Conc: 113.06 pg/uL



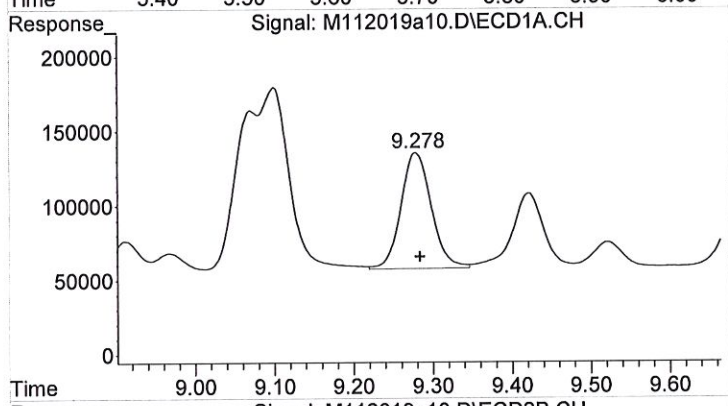
#3 1016-2

R.T.: 8.625 min
Delta R.T.: -0.006 min
Response: 62741
Conc: 104.50 pg/uL



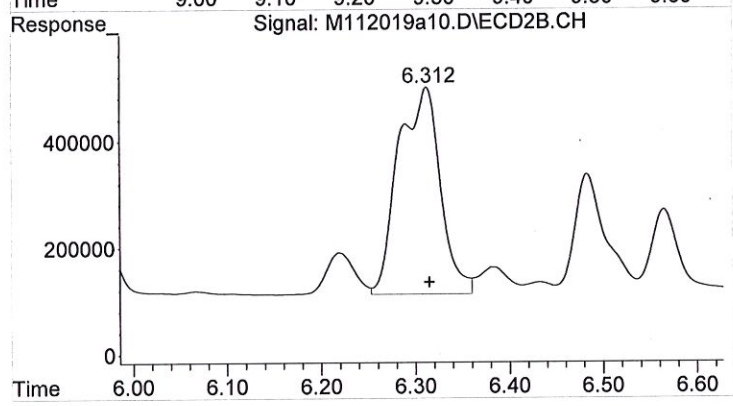
#3 1016-2

R.T.: 5.710 min
Delta R.T.: -0.003 min
Response: 289609
Conc: 109.04 pg/uL



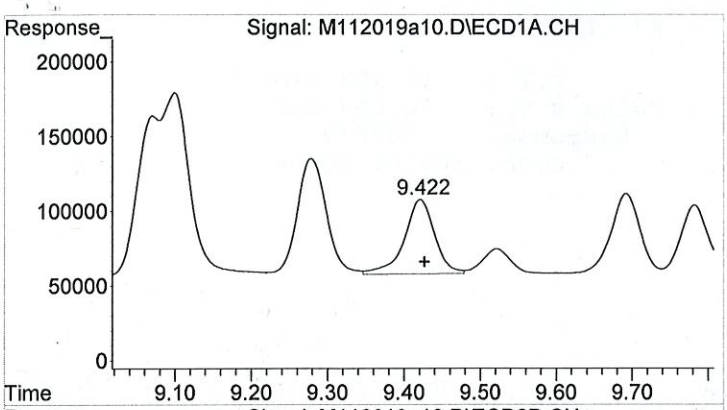
#4 1016-3

R.T.: 9.279 min
Delta R.T.: -0.005 min
Response: 77652
Conc: 102.71 pg/uL



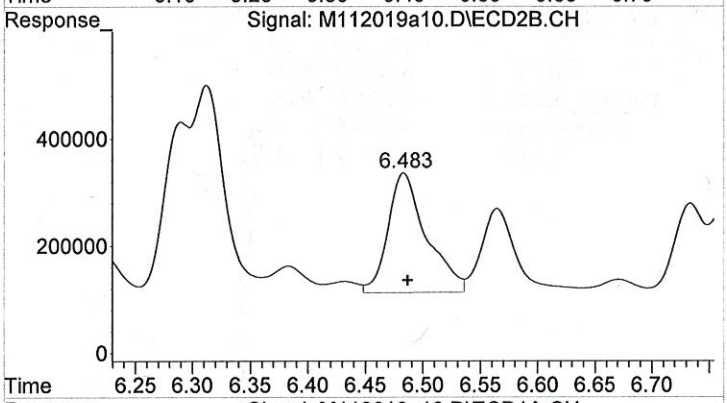
#4 1016-3

R.T.: 6.312 min
Delta R.T.: -0.003 min
Response: 387013
Conc: 107.89 pg/uL



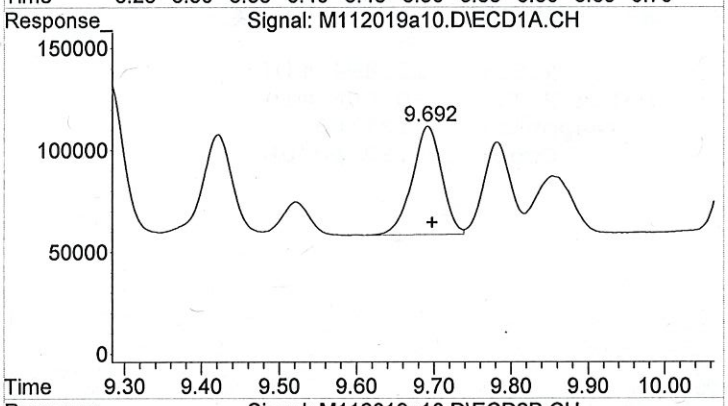
#5 1016-4

R.T.: 9.421 min
Delta R.T.: -0.006 min
Response: 49946
Conc: 104.45 pg/uL



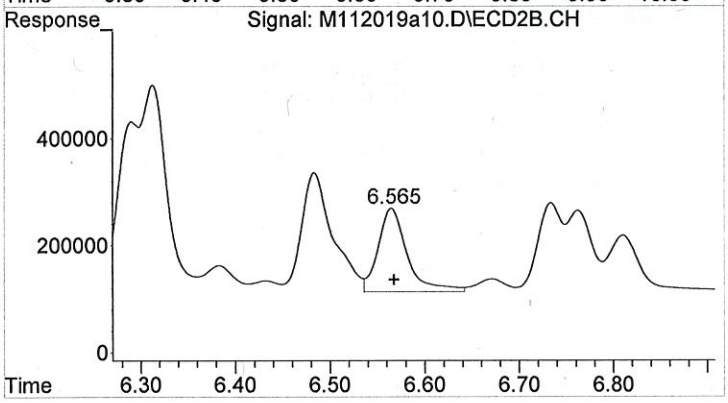
#5 1016-4

R.T.: 6.483 min
Delta R.T.: -0.004 min
Response: 223180
Conc: 110.22 pg/uL



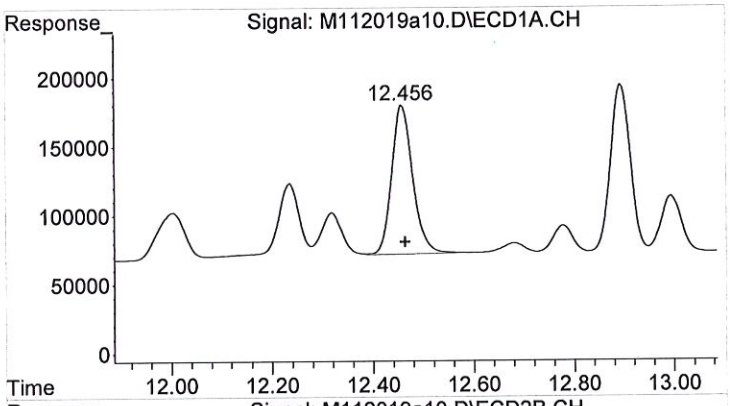
#6 1016-5

R.T.: 9.692 min
Delta R.T.: -0.006 min
Response: 53009
Conc: 104.70 pg/uL



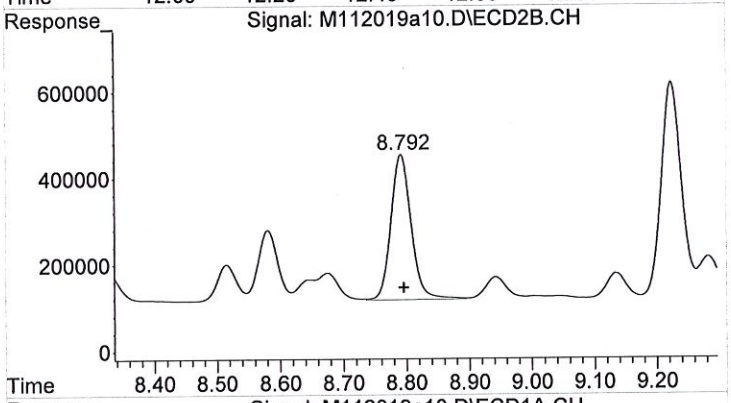
#6 1016-5

R.T.: 6.565 min
Delta R.T.: -0.003 min
Response: 155881
Conc: 106.47 pg/uL



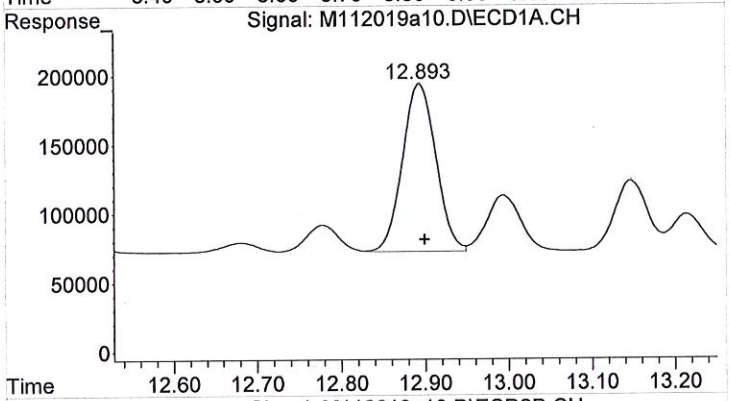
#7 1260-1

R.T.: 12.458 min
Delta R.T.: -0.007 min
Response: 107659
Conc: 109.01 pg/uL



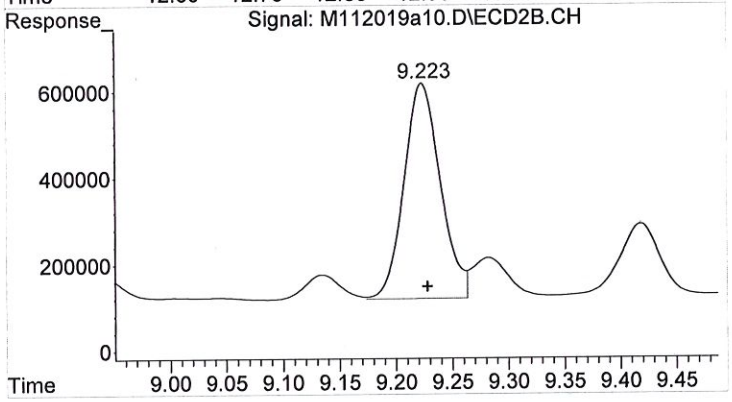
#7 1260-1

R.T.: 8.792 min
Delta R.T.: -0.004 min
Response: 335680
Conc: 105.48 pg/uL



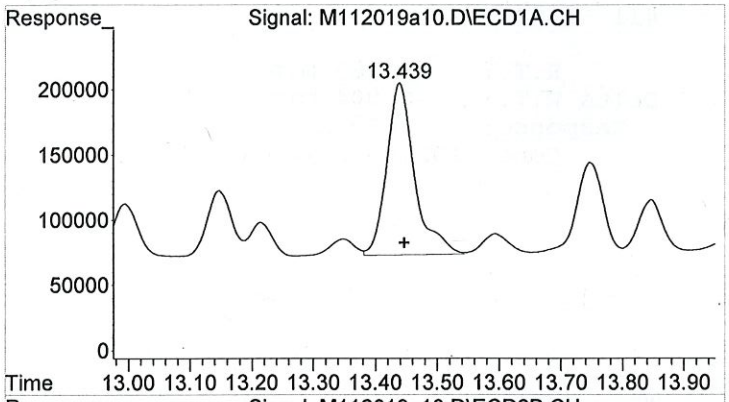
#8 1260-2

R.T.: 12.894 min
Delta R.T.: -0.006 min
Response: 121165
Conc: 105.57 pg/uL



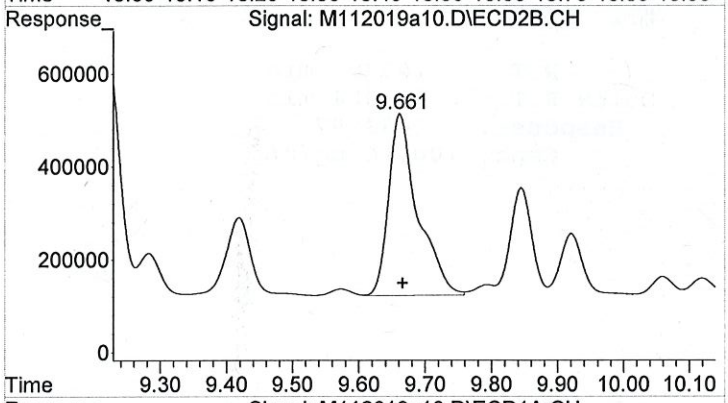
#8 1260-2

R.T.: 9.224 min
Delta R.T.: -0.004 min
Response: 498023
Conc: 106.11 pg/uL



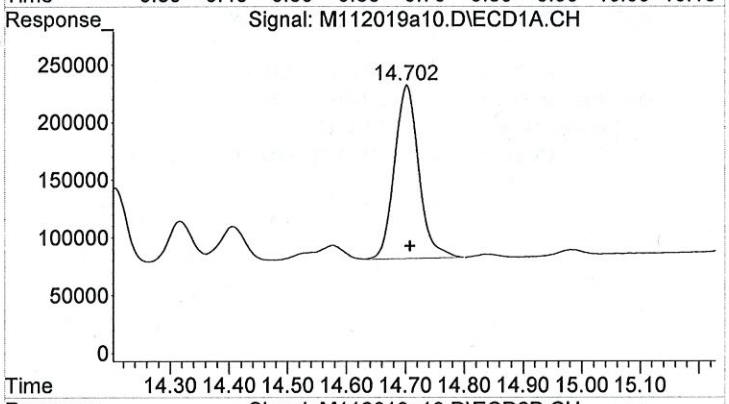
#9 1260-3

R.T.: 13.439 min
Delta R.T.: -0.008 min
Response: 132188
Conc: 107.30 pg/uL



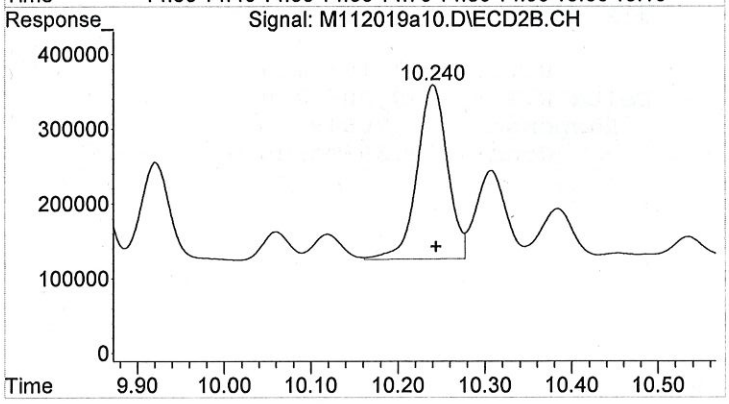
#9 1260-3

R.T.: 9.662 min
Delta R.T.: -0.004 min
Response: 390664
Conc: 102.24 pg/uL



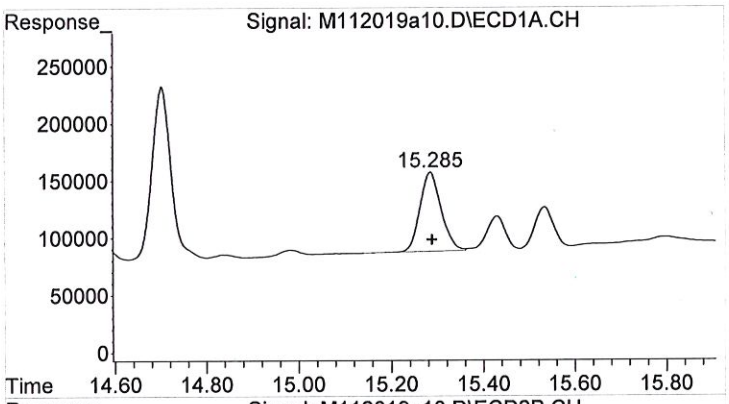
#10 1260-4

R.T.: 14.702 min
Delta R.T.: -0.006 min
Response: 150181
Conc: 103.50 pg/uL



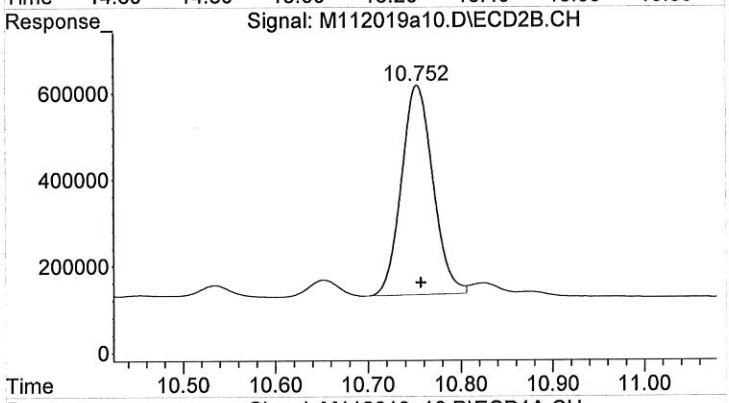
#10 1260-4

R.T.: 10.240 min
Delta R.T.: -0.004 min
Response: 232550
Conc: 99.90 pg/uL



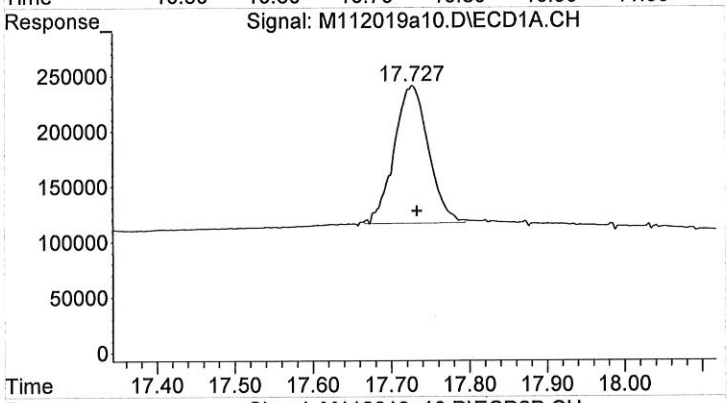
#11 1260-5

R.T.: 15.285 min
Delta R.T.: -0.004 min
Response: 69042
Conc: 102.00 pg/uL



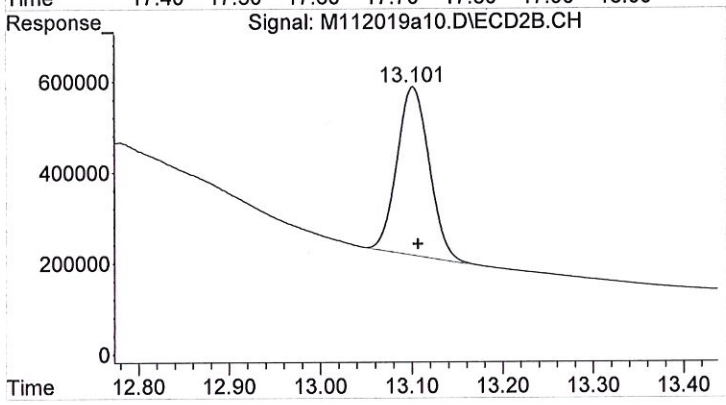
#11 1260-5

R.T.: 10.753 min
Delta R.T.: -0.004 min
Response: 483997
Conc: 100.26 pg/uL



#12 dcb

R.T.: 17.727 min
Delta R.T.: -0.006 min
Response: 124105
Conc: 10.32 pg/uL m



#12 dcb

R.T.: 13.101 min
Delta R.T.: -0.006 min
Response: 370549
Conc: 8.89 pg/uL m

PCB CCV Report

Data File....: M120519a02.D
Dataname.....: 87PCB111419D
Analyzed.....: 12/05/2019 10:42

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

CCV Level..: 100 pg/uL
ICAL Date..: 12/04/2019

Datafile path....: J:\Organics\Minerva\MINERVA 2019 DATA\M120519PCBDW\M120519a02.D
DP Method path...: J:\Organics\Minerva\Methods\M120419PCB1242.M

PCB 1242 Cont Cal 100 pg/uL

CAS #	Compound	RT	Exp RT	Area	Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate					Criteria range: <±20%D			
	tmx (1)	- >±1%	5.00	-	10	-	-	
	dcb	11.31	11.31	20786	10	113	1000	> ±20%
	tmx (1) #2	- >±1%	4.95	-	10	-	-	
	dcb #2	8.20	8.21	6032	10	114	1000	> ±20%
Target					Criteria range: <±20%D			
	1242 -1	9.79	9.79	39044	100	104	4.2	
	1242-2	10.10	10.10	51771	100	104	4.4	
	1242-3	10.18	10.18	29384	100	101	1.5	
	1242-4	10.76	10.76	30868 m	100	98.7	-1.3	
	1242-5	10.81	10.82	56090 m	100	105	4.6	
	1242 -1 #2	7.04	7.04	161448	100	113	13	
	1242-2 #2	7.15	7.15	97242	100	111	11	
	1242-3 #2	7.21	7.21	76282	100	110	9.6	
	1242-4 #2	7.51	7.51	77133	100	108	7.5	
	1242-5 #2	7.89	7.89	75344	100	108	7.5	

Average %Difference:	%Diff
1242 Column 1 (n=5)	2.7
1242 Column 2 (n=5)	9.6

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M120519PCBDW\
Data File : M120519a02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Dec 2019 10:42 am
Operator : DWOOD
Sample : 87PCB111419D
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events3.e
Quant Time: Dec 09 14:26:22 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Wed Dec 04 16:34:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7) S2 dcb	11.313	8.205	20786	6032	112.587	114.179
Target Compounds						
2) L1 1242 -1	9.792	7.036	39044	161448	104.197	112.910
3) L1 1242-2	10.102	7.152	51771	97242	104.431	110.511
4) L1 1242-3	10.178	7.208	29384	76282	101.485	109.590
5) L1 1242-4	10.757	7.505	30868	77133	98.683m	107.515
6) L1 1242-5	10.813	7.891	56090	75344	104.578m	107.547
Sum 1242 -1			207157	487450	513.374	548.072
Average 1242 -1					102.675	109.614

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

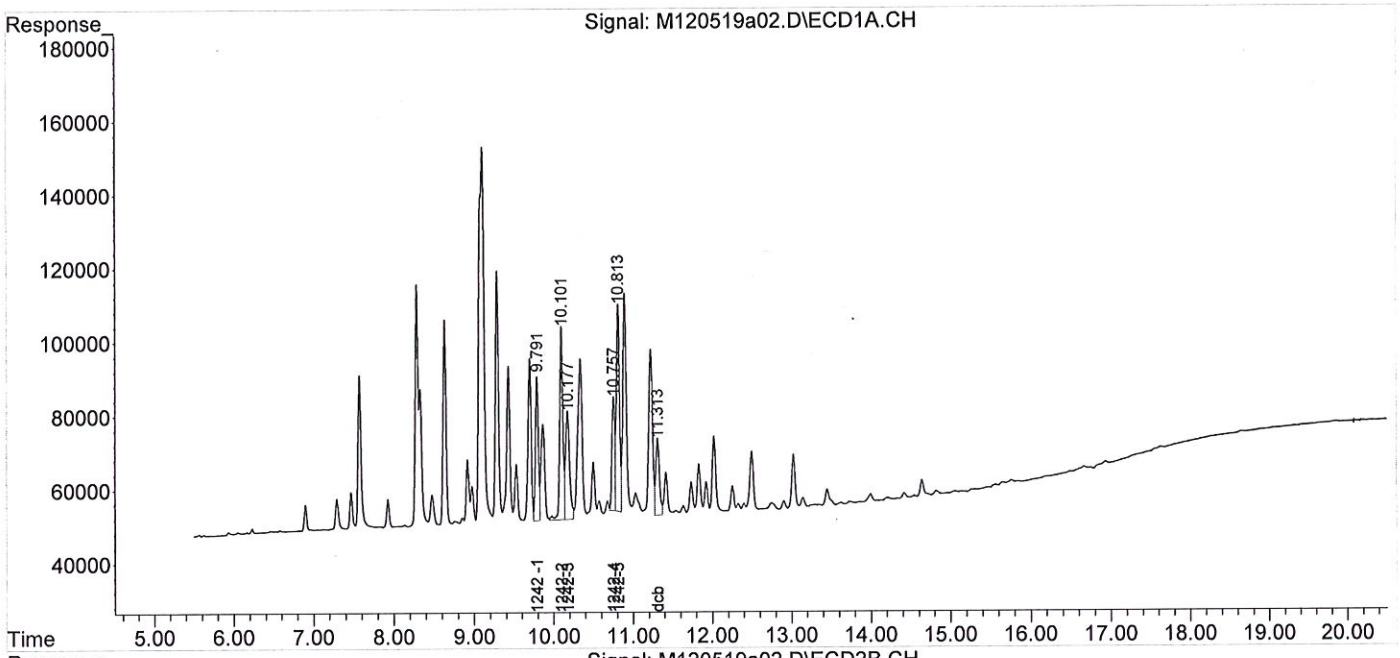
MW
12/9/19

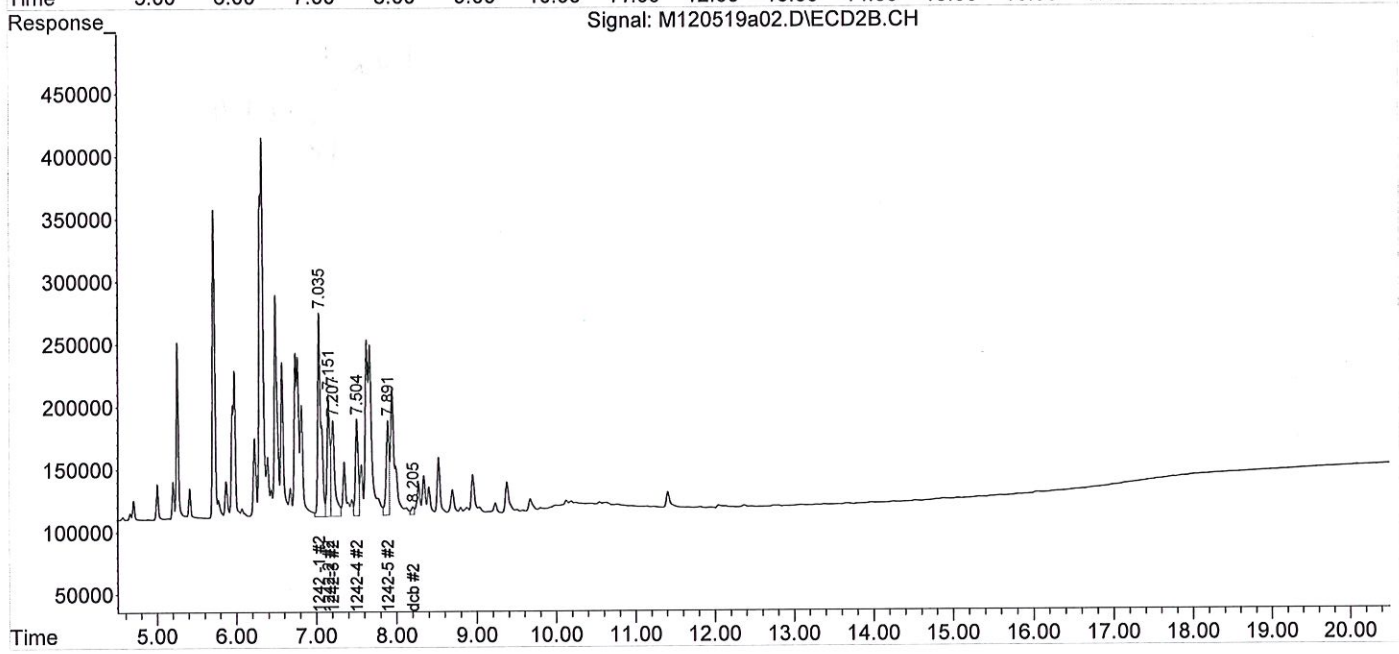
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M120519PCBDW\
Data File : M120519a02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Dec 2019 10:42 am
Operator : DWOOD
Sample : 87PCB111419D
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events3.e
Quant Time: Dec 09 14:26:22 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Wed Dec 04 16:34:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M120519PCBDW\
Data File : M120519a02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Dec 2019 10:42 am
Operator : DWOOD
Sample : 87PCB111419D
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events3.e
Quant Time: Dec 09 13:48:46 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Wed Dec 04 16:34:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7) S2 dcb	11.313	8.205	20786	6032	112.587	114.179
Target Compounds						
2) L1 1242 -1	9.792	7.036	39044	161448	104.197	112.910
3) L1 1242-2	10.102	7.152	51771	97242	104.431	110.511
4) L1 1242-3	10.178	7.208 m	29384	76282	101.485	109.590
5) L1 1242-4	0.000	7.505	0 I	77133	N.D.	107.515 #
6) L1 1242-5	10.813	7.891 m	57621 S	75344	107.631	107.547
Sum 1242 -1			177820	487450	417.745	548.072
Average 1242 -1					104.436	109.614

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

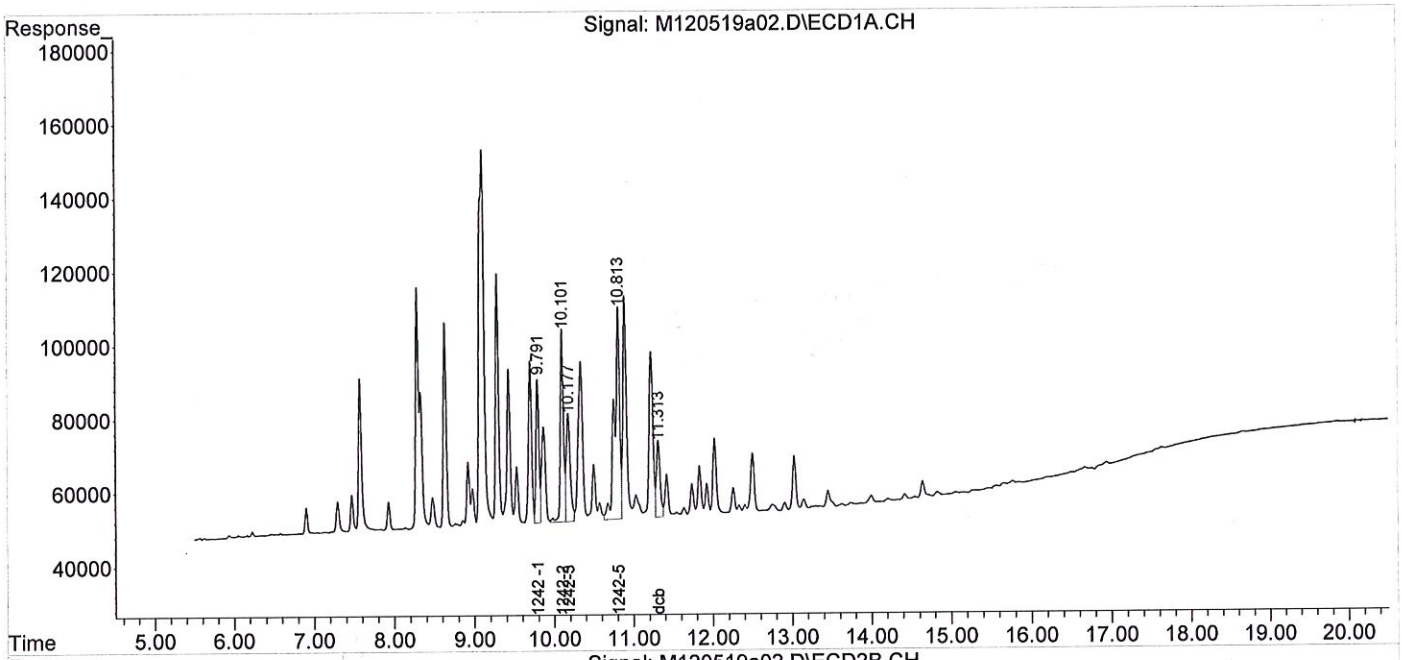
12/9/19

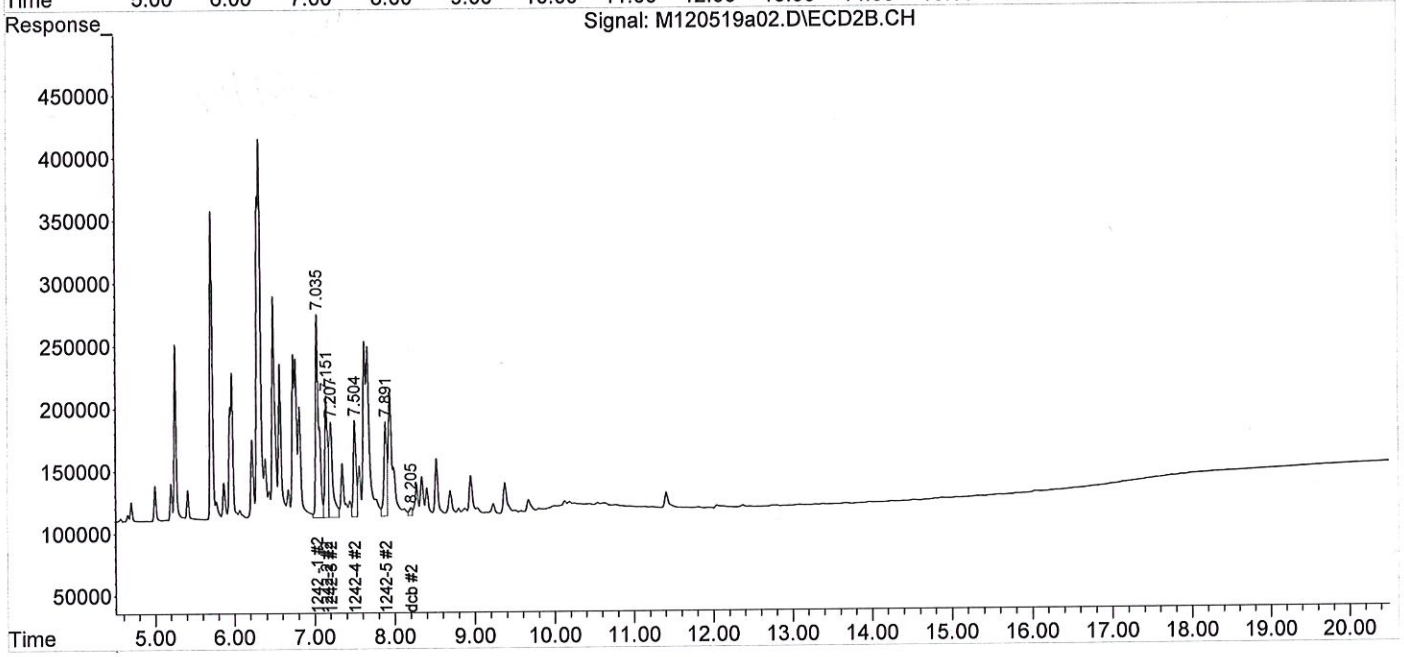
Quantitation Report (Not Reviewed)

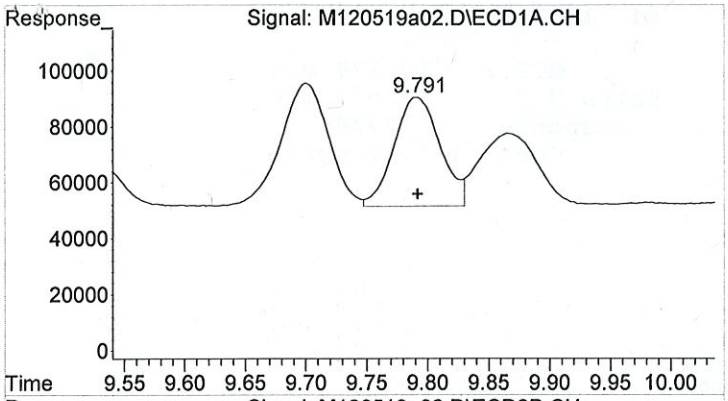
Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M120519PCBDW\
Data File : M120519a02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Dec 2019 10:42 am
Operator : DWOOD
Sample : 87PCB111419D
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events3.e
Quant Time: Dec 09 13:48:46 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Wed Dec 04 16:34:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

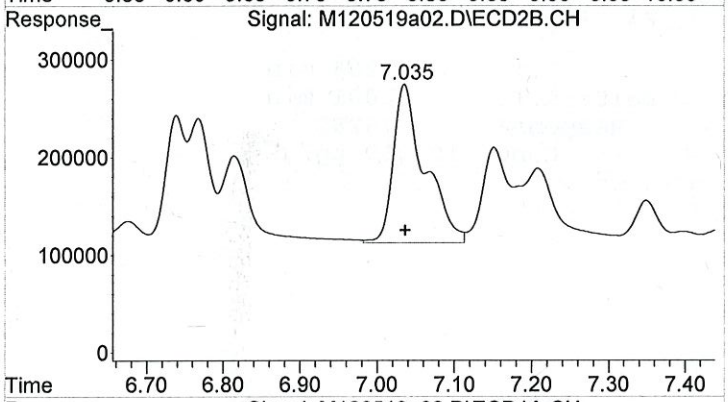






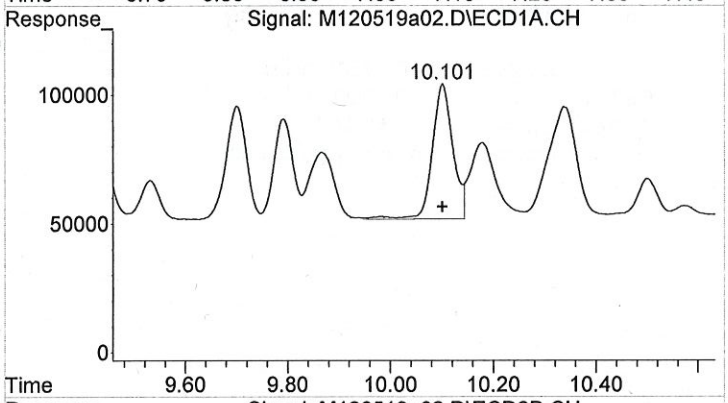
#2 1242 -1

R.T.: 9.792 min
Delta R.T.: 0.000 min
Response: 39044
Conc: 104.20 pg/uL



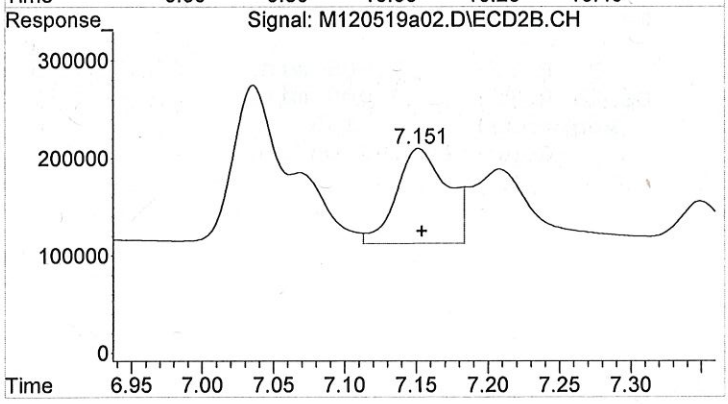
#2 1242 -1

R.T.: 7.036 min
Delta R.T.: 0.000 min
Response: 161448
Conc: 112.91 pg/uL



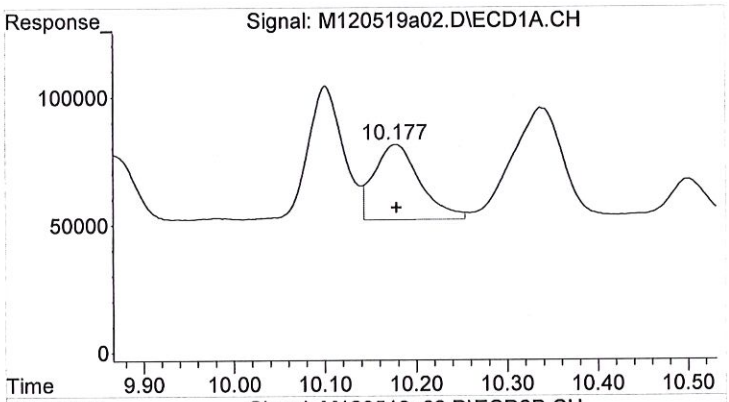
#3 1242-2

R.T.: 10.102 min
Delta R.T.: 0.000 min
Response: 51771
Conc: 104.43 pg/uL



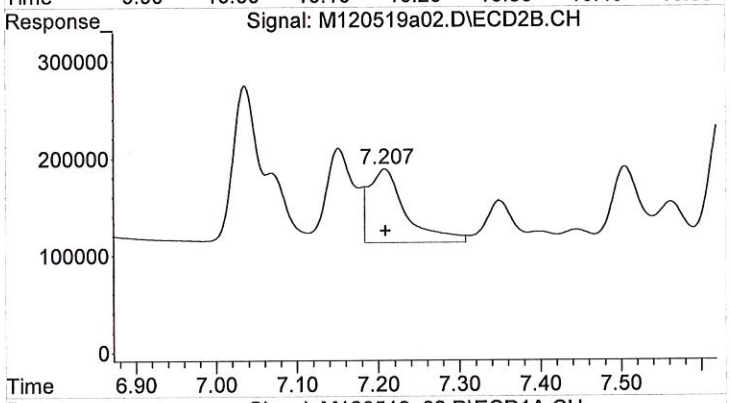
#3 1242-2

R.T.: 7.152 min
Delta R.T.: -0.002 min
Response: 97242
Conc: 110.51 pg/uL



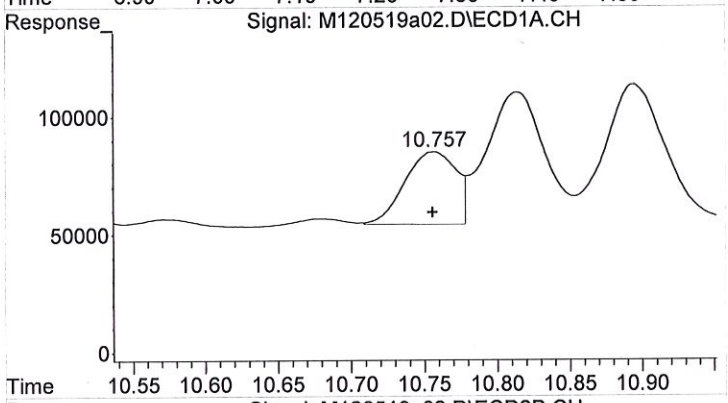
#4 1242-3

R.T.: 10.178 min
Delta R.T.: -0.001 min
Response: 29384
Conc: 101.49 pg/uL



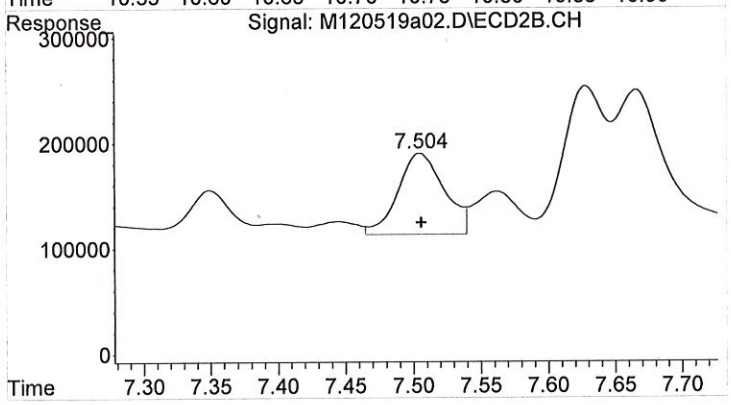
#4 1242-3

R.T.: 7.208 min
Delta R.T.: -0.001 min
Response: 76282
Conc: 109.59 pg/uL



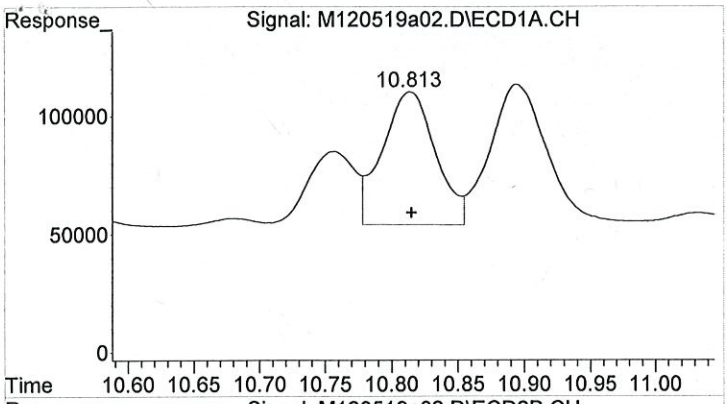
#5 1242-4

R.T.: 10.757 min
Delta R.T.: 0.001 min
Response: 30868
Conc: 98.68 pg/uL m



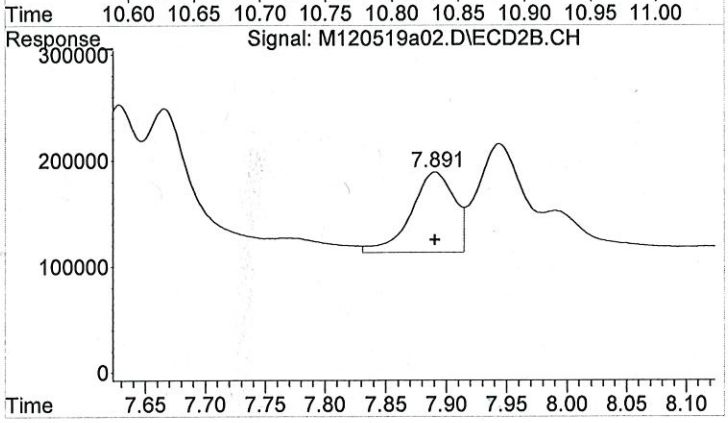
#5 1242-4

R.T.: 7.505 min
Delta R.T.: 0.000 min
Response: 77133
Conc: 107.52 pg/uL



#6 1242-5

R.T.: 10.813 min
Delta R.T.: -0.002 min
Response: 56090
Conc: 104.58 pg/uL m



#6 1242-5

R.T.: 7.891 min
Delta R.T.: 0.000 min
Response: 75344
Conc: 107.55 pg/uL

PCB CCV Report

Data File....: M120519a11.D
Dataname.....: 87PCB111419D
Analyzed.....: 12/05/2019 14:23

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

CCV Level..: 100 pg/uL
ICAL Date..: 12/04/2019

Datafile path....: J:\Organics\Minerva\MINERVA 2019 DATA\M120519PCBDW\M120519a11.D
DP Method path...: J:\Organics\Minerva\Methods\M120419PCB1242.M

PCB 1242 Cont Cal 100 pg/uL

CAS #	Compound	RT		Exp RT	Area		Spike (expected)	Amount (pg)	%Diff	Flag
Surrogate							Criteria range: <±20%D			
	tmx (1)	-	>±1%	5.00	-		10	-	-	
	dcb	-	>±1%	11.31	-	m	10	-	-	
	tmx (1) #2	-	>±1%	4.95	-		10	-	-	
	dcb #2	-	>±1%	8.21	-	m	10	-	-	
Target							Criteria range: <±20%D			
	1242 -1	9.79		9.79	33639		100	88.5	-11	
	1242-2	10.10		10.10	42760		100	84.6	-15	
	1242-3	10.18		10.18	24708		100	84.5	-16	
	1242-4	10.76		10.76	25380		100	80.0	-20	> ±20%
	1242-5	10.81		10.82	45669		100	83.8	-16	
	1242 -1 #2	7.04		7.04	158168		100	111	11	
	1242-2 #2	7.15		7.15	94877		100	108	7.8	
	1242-3 #2	7.21		7.21	77981		100	112	12	
	1242-4 #2	7.51		7.51	79423		100	111	11	
	1242-5 #2	7.89		7.89	75416		100	108	7.6	

Average %Difference:	%Diff
1242 Column 1 (n=5)	-16
1242 Column 2 (n=5)	9.7

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M120519PCBDW\
Data File : M120519a11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Dec 2019 2:23 pm
Operator : DWOOD
Sample : 87PCB111419D (Sig #1); 87PCB120419K (Sig #2)
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events3.e
Quant Time: Dec 09 14:30:59 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Wed Dec 04 16:34:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7) S2 dcb	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) L1 1242 -1	9.792	7.038	33639	158168	88.517	110.525
3) L1 1242-2	10.101	7.154	42760	94877	84.616	107.776 #
4) L1 1242-3	10.179	7.209	24708	77981	84.496	112.055 #
5) L1 1242-4	10.756	7.506	25380	79423	79.956	110.685 #
6) L1 1242-5	10.813	7.891	45669	75416	83.790	107.647 #
Sum 1242 -1			172156	485865	421.375	548.688
Average 1242 -1					84.275	109.738

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

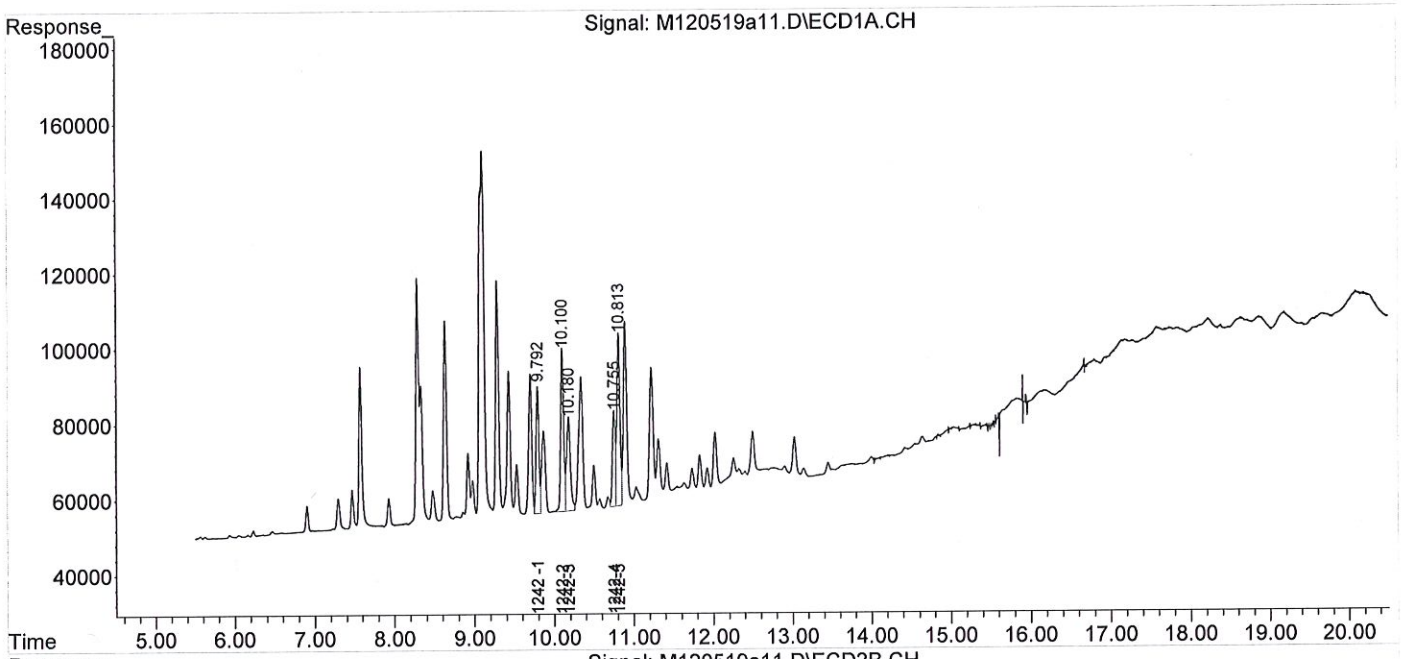
ww
12/4/19

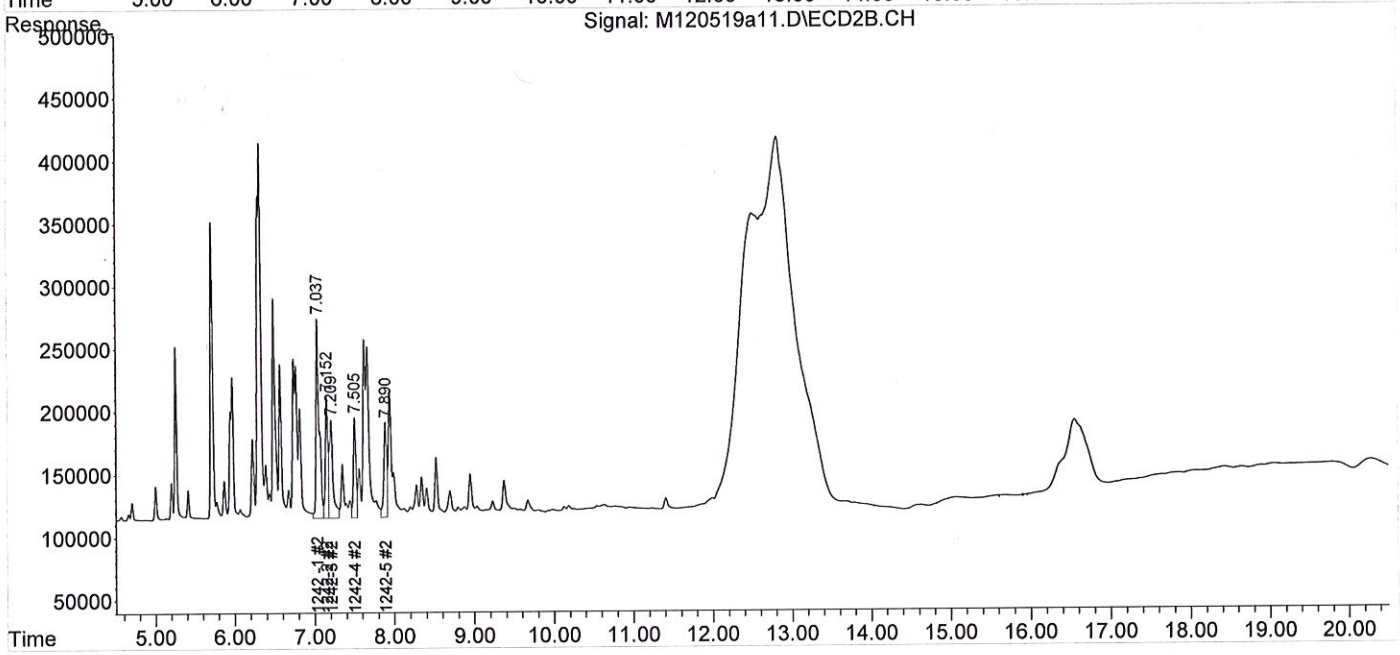
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M120519PCBDW\
Data File : M120519a11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Dec 2019 2:23 pm
Operator : DWOOD
Sample : 87PCB111419D (Sig #1); 87PCB120419K (Sig #2)
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events3.e
Quant Time: Dec 09 14:30:59 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Wed Dec 04 16:34:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M120519PCBDW\
Data File : M120519a11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Dec 2019 2:23 pm
Operator : DWOOD
Sample : 87PCB111419D (Sig #1); 87PCB120419K (Sig #2)
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events3.e
Quant Time: Dec 09 13:49:10 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Wed Dec 04 16:34:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.
7) S2 dcb	11.313	8.205	15996	7877	83.739	150.168 #
Target Compounds						
2) L1 1242 -1	9.792	7.038	33639	158168	88.517	110.525
3) L1 1242-2	10.101	7.154	42760	94877	84.616	107.776 #
4) L1 1242-3	10.179	7.209	24708	77981	84.496	112.055 #
5) L1 1242-4	10.756	7.506	25380	79423	79.956	110.685 #
6) L1 1242-5	10.813	7.891	45669	75416	83.790	107.647 #
Sum 1242 -1			172156	485865	421.375	548.688
Average 1242 -1					84.275	109.738

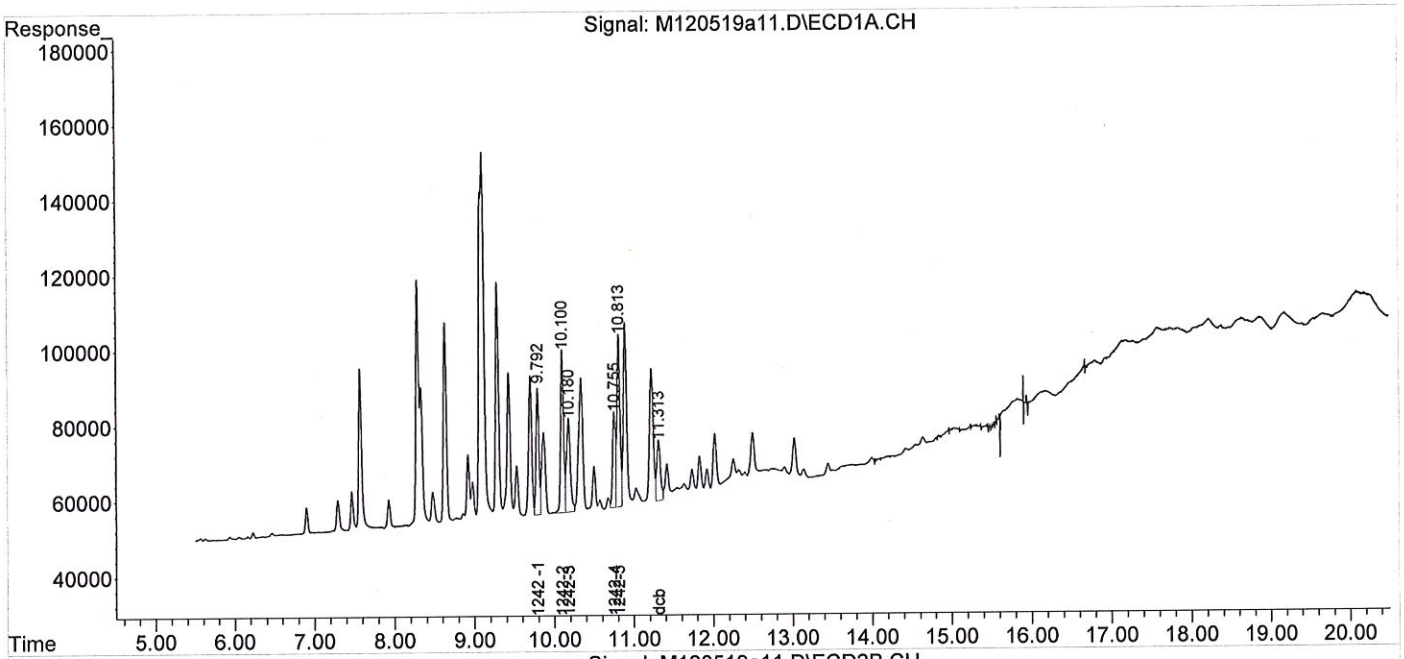
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

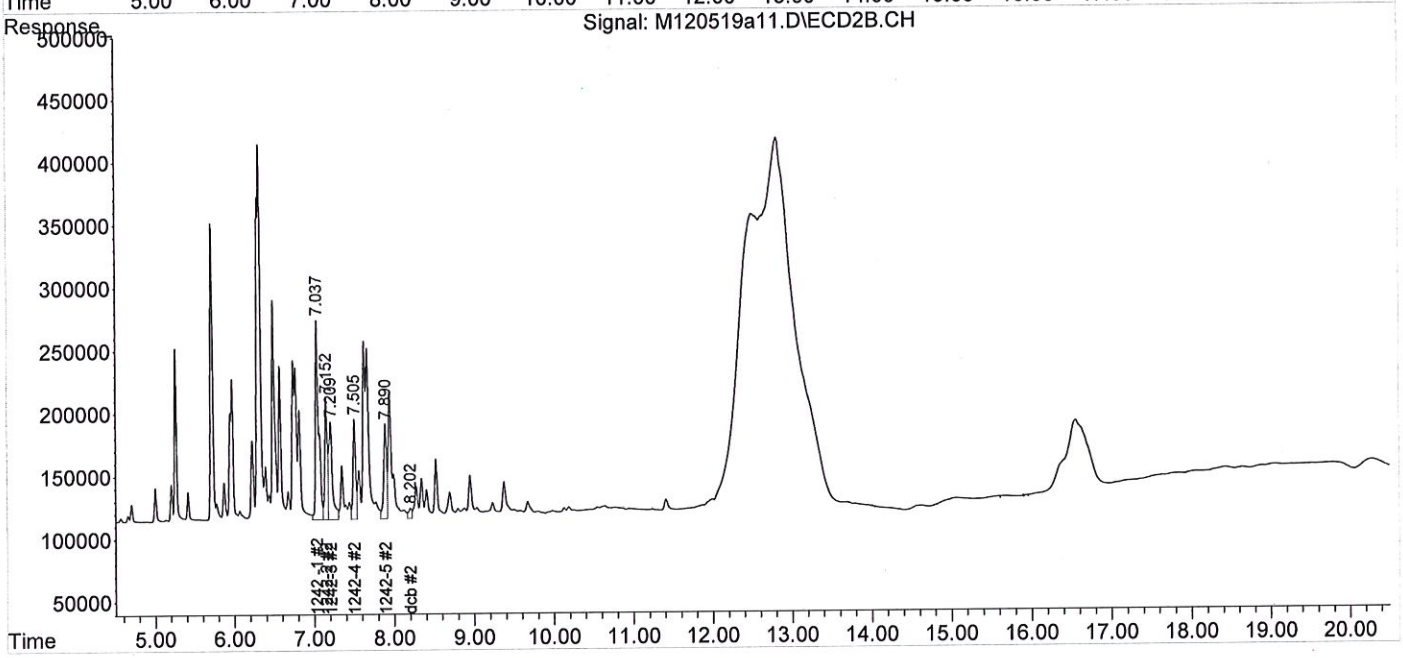
Quantitation Report (Not Reviewed)

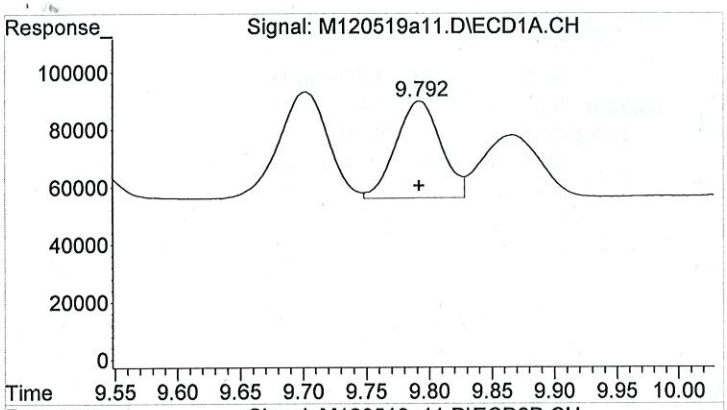
Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M120519PCBDW\
Data File : M120519a11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Dec 2019 2:23 pm
Operator : DWOOD
Sample : 87PCB111419D (Sig #1); 87PCB120419K (Sig #2)
Misc : PCB 1242 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events3.e
Quant Time: Dec 09 13:49:10 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Wed Dec 04 16:34:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

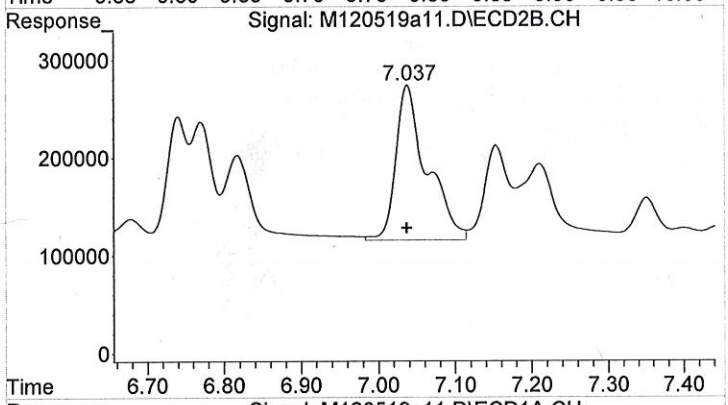






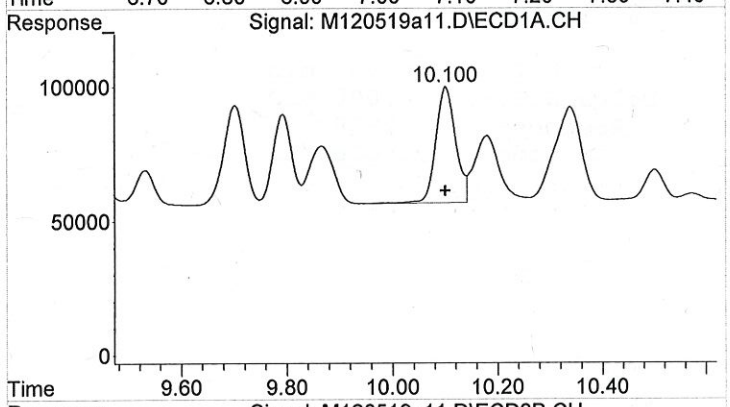
#2 1242 -1

R.T.: 9.792 min
Delta R.T.: 0.000 min
Response: 33639
Conc: 88.52 pg/uL



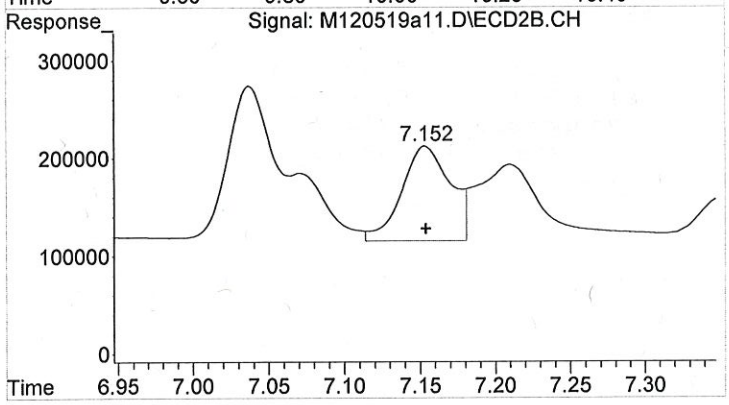
#2 1242 -1

R.T.: 7.038 min
Delta R.T.: 0.000 min
Response: 158168
Conc: 110.53 pg/uL



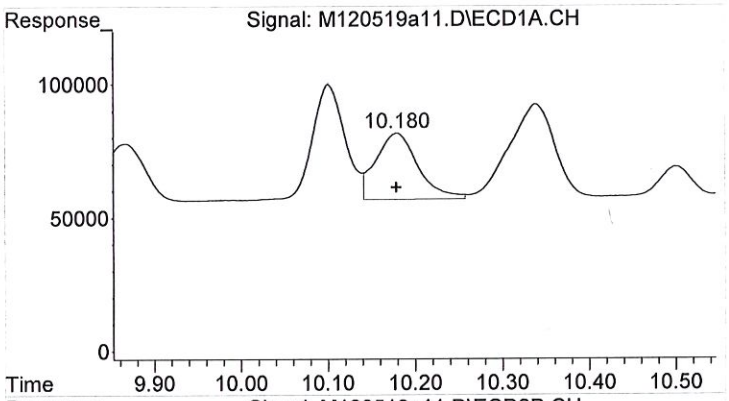
#3 1242-2

R.T.: 10.101 min
Delta R.T.: 0.000 min
Response: 42760
Conc: 84.62 pg/uL



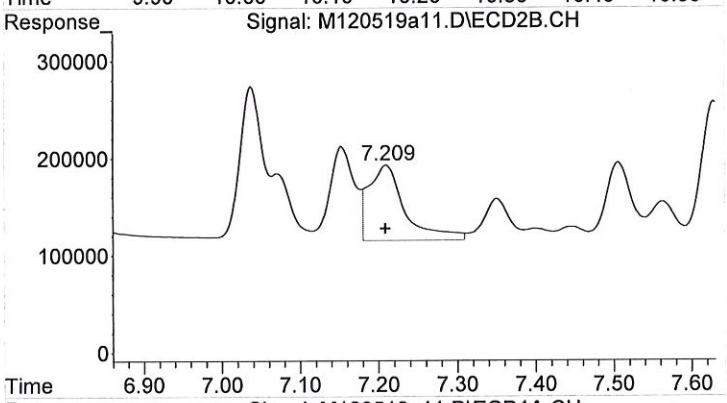
#3 1242-2

R.T.: 7.154 min
Delta R.T.: 0.000 min
Response: 94877
Conc: 107.78 pg/uL



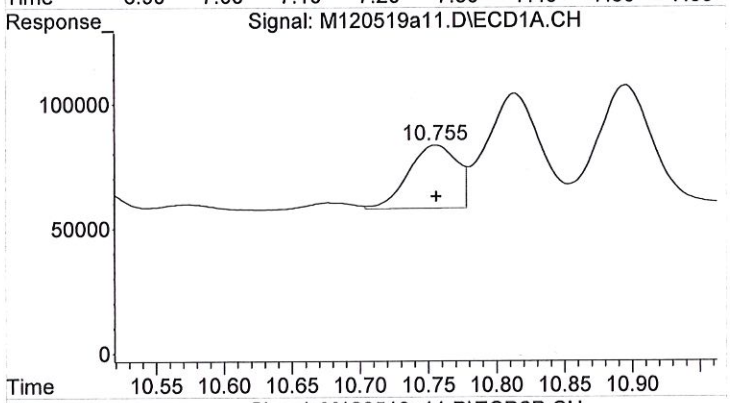
#4 1242-3

R.T.: 10.179 min
Delta R.T.: 0.000 min
Response: 24708
Conc: 84.50 pg/uL



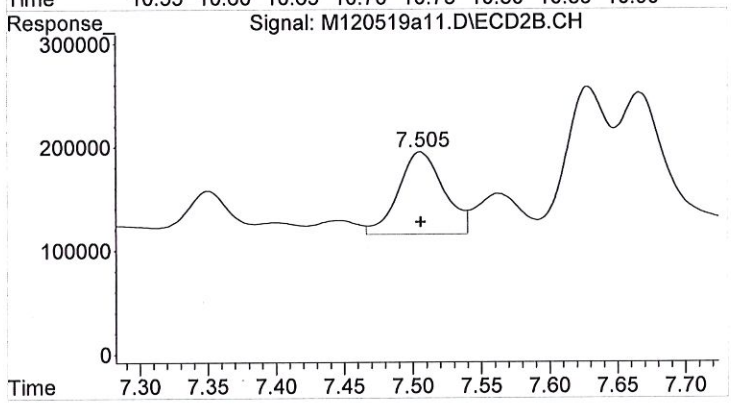
#4 1242-3

R.T.: 7.209 min
Delta R.T.: 0.000 min
Response: 77981
Conc: 112.06 pg/uL



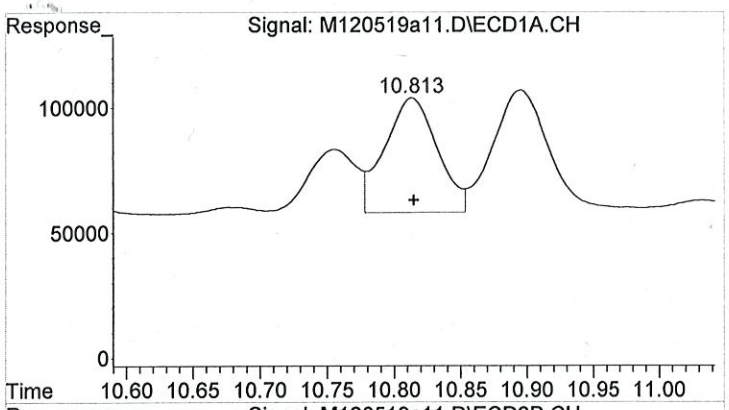
#5 1242-4

R.T.: 10.756 min
Delta R.T.: 0.000 min
Response: 25380
Conc: 79.96 pg/uL



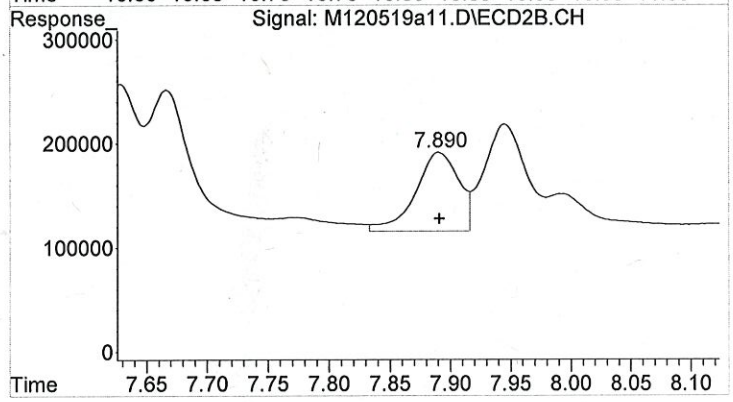
#5 1242-4

R.T.: 7.506 min
Delta R.T.: 0.000 min
Response: 79423
Conc: 110.68 pg/uL



#6 1242-5

R.T.: 10.813 min
Delta R.T.: -0.002 min
Response: 45669
Conc: 83.79 pg/uL



#6 1242-5

R.T.: 7.891 min
Delta R.T.: 0.000 min
Response: 75416
Conc: 107.65 pg/uL

PCB CCV Report

Data File....: M121119a02.D
Dataname.....: 87PCB120419K
Analyzed.....: 12/11/2019 7:28

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

CCV Level..: 100 pg/uL
ICAL Date..: 12/04/2019

Datafile path....: J:\Organics\Minerva\MINERVA 2019 DATA\M121119PCBDW\M121119a02.D
DP Method path...: J:\Organics\Minerva\Methods\M120419PCB1254.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)	6.96	6.96	340590	10	0	-	
	dcb	17.73	17.73	147870	10	0	-	
	tmx (1) #2	4.72	4.72	931934	10	0	-	
	dcb #2	13.11	13.12	427783	10	0	-	
Target					Criteria range: <±20%D			
	1254-1	11.31	11.31	148934	100	105	5.2	
	1254-2	11.73	11.74	43904	100	102	1.7	
	1254-3	11.83	11.83	86629	100	98.0	-2.0	
	1254-4	12.02	12.02	161072	100	98.6	-1.4	
	1254-5	13.45	13.45	117231	100	92.1	-7.9	
	1254-1 #2	8.52	8.52	354141	100	92.0	-8.0	
	1254-2 #2	8.80	8.80	130225	100	91.1	-8.9	
	1254-3 #2	8.95	8.95	238297	100	93.6	-6.4	
	1254-4 #2	9.23	9.23	235686	100	90.7	-9.3	
	1254-5 #2	9.67	9.67	265516	100	91.3	-8.7	

Average %Difference:	%Diff
1254 Column 1 (n=5)	-0.87
1254 Column 2 (n=5)	-8.2

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M121119PCBDW\
Data File : M121119a02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Dec 2019 7:28 am
Operator : DWOOD
Sample : 87PCB120419K
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: EVENTS1.E
Quant Time: Dec 12 09:07:47 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1254.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Thu Dec 05 08:10:02 2019
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) L2 1254-1	11.308	8.520	148934	354141	105.214	92.031
3) L2 1254-2	11.734	8.796	43904	130225	101.724	91.118
4) L2 1254-3	11.830	8.945	86629	238297	97.969	93.593
5) L2 1254-4	12.016	9.229	161072	235686	98.632	90.710
6) L2 1254-5	13.448	9.667	117231	265516	92.093	91.307
Sum 1254-1			557770	1223865	495.632	458.759
Average 1254-1					99.126	91.752

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

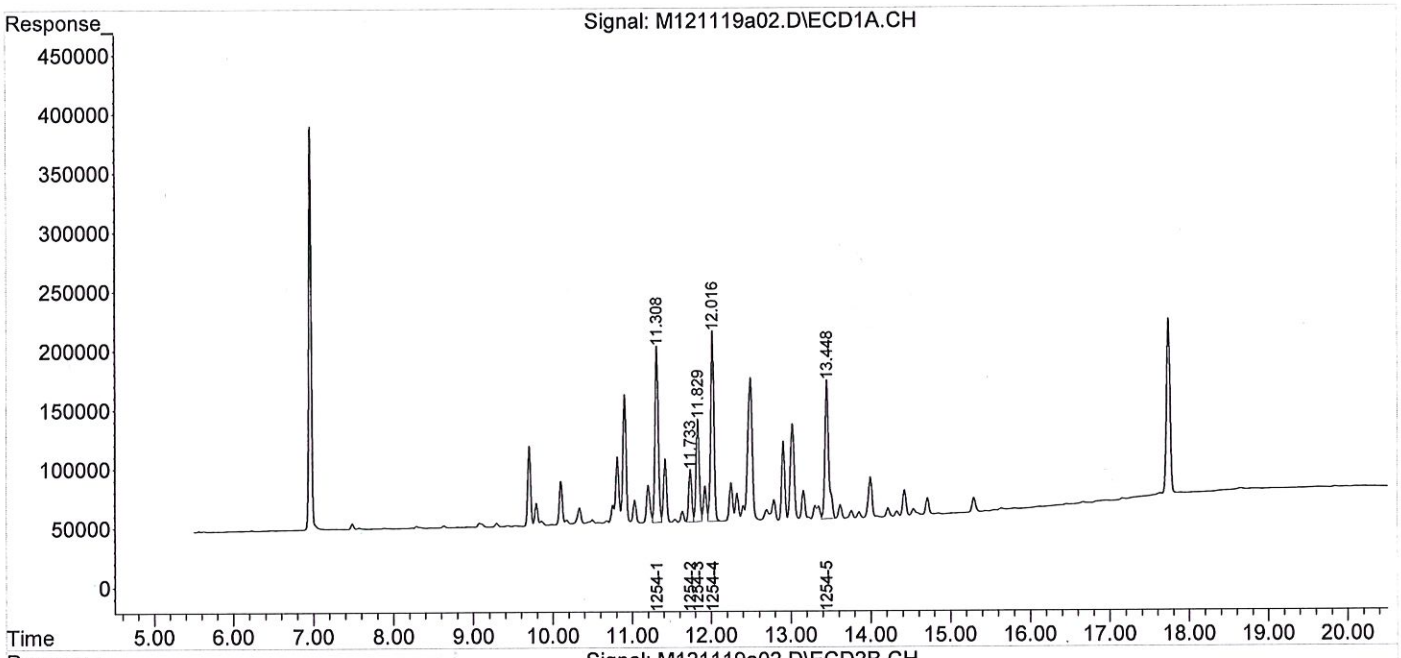
lw
12/12/19

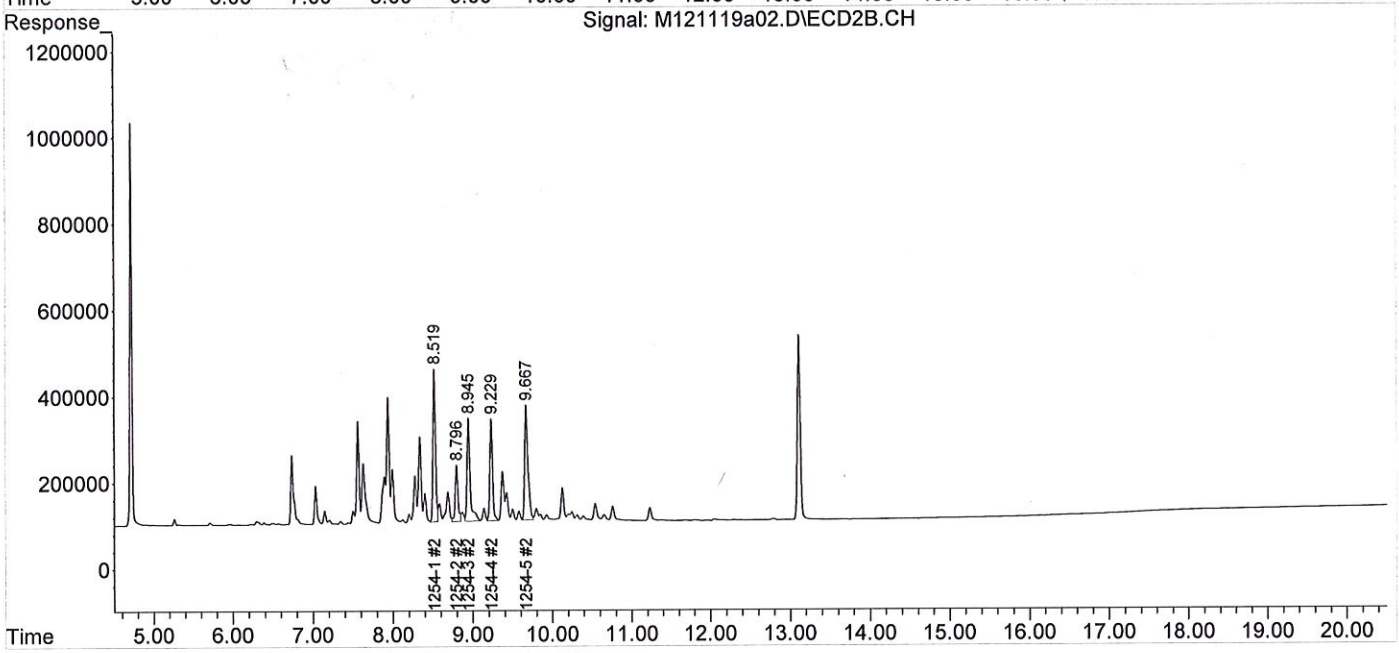
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M121119PCBDW\
Data File : M121119a02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Dec 2019 7:28 am
Operator : DWOOD
Sample : 87PCB120419K
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: EVENTS1.E
Quant Time: Dec 12 09:07:47 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1254.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Thu Dec 05 08:10:02 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M121119PCBDW\
Data File : M121119a02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Dec 2019 7:28 am
Operator : DWOOD
Sample : 87PCB120419K
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: EVENTS1.E
Quant Time: Dec 12 09:06:20 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1254.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Thu Dec 05 08:10:02 2019
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)	6.961	4.715	~~340590~~	~~931934~~	NoCal	NoCal
7) S2 dcb	17.735	13.108	~~147870~~	~~427783~~	NoCal	NoCal
Target Compounds						
2) L2 1254-1	11.308	8.520	148934	354141	105.214	92.031
3) L2 1254-2	11.734	8.796	43904	130225	101.724	91.118
4) L2 1254-3	11.830	8.945	86629	238297	97.969	93.593
5) L2 1254-4	12.016	9.229	161072	235686	98.632	90.710
6) L2 1254-5	13.448	9.667	117231	265516	92.093	91.307
Sum 1254-1			557770	1223865	495.632	458.759
Average 1254-1					99.126	91.752

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

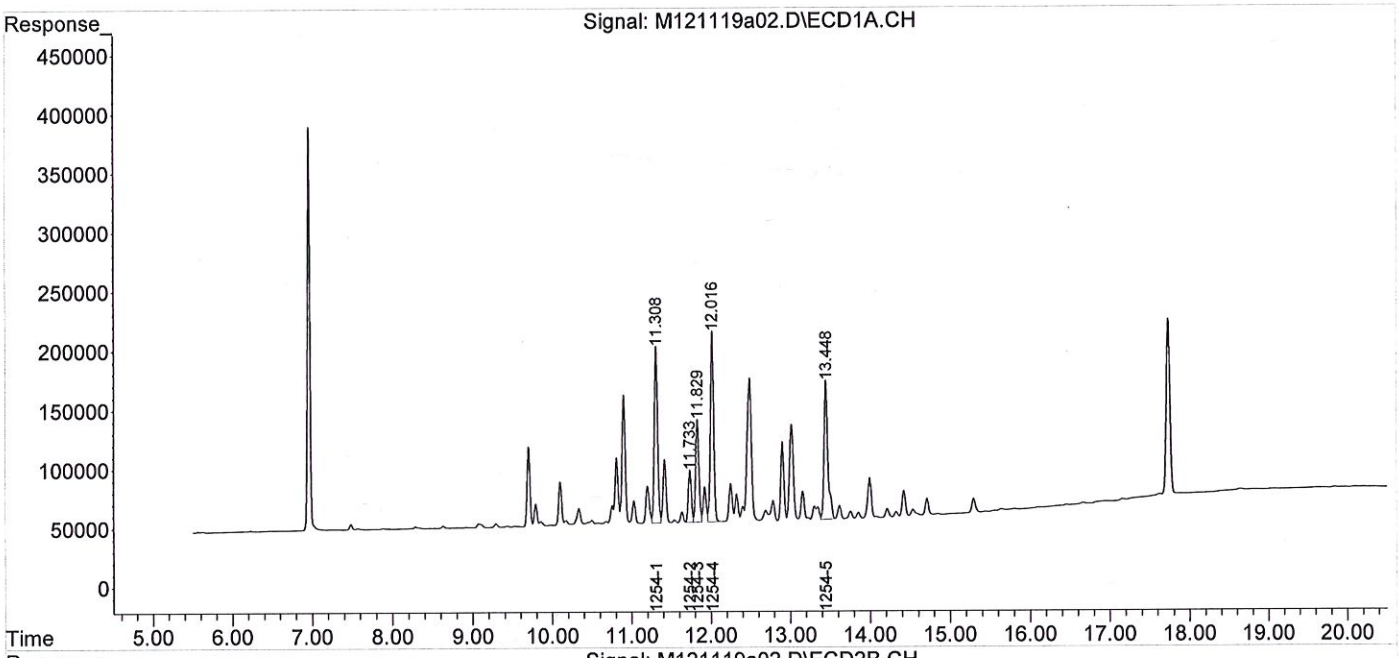
mw
12/12/19

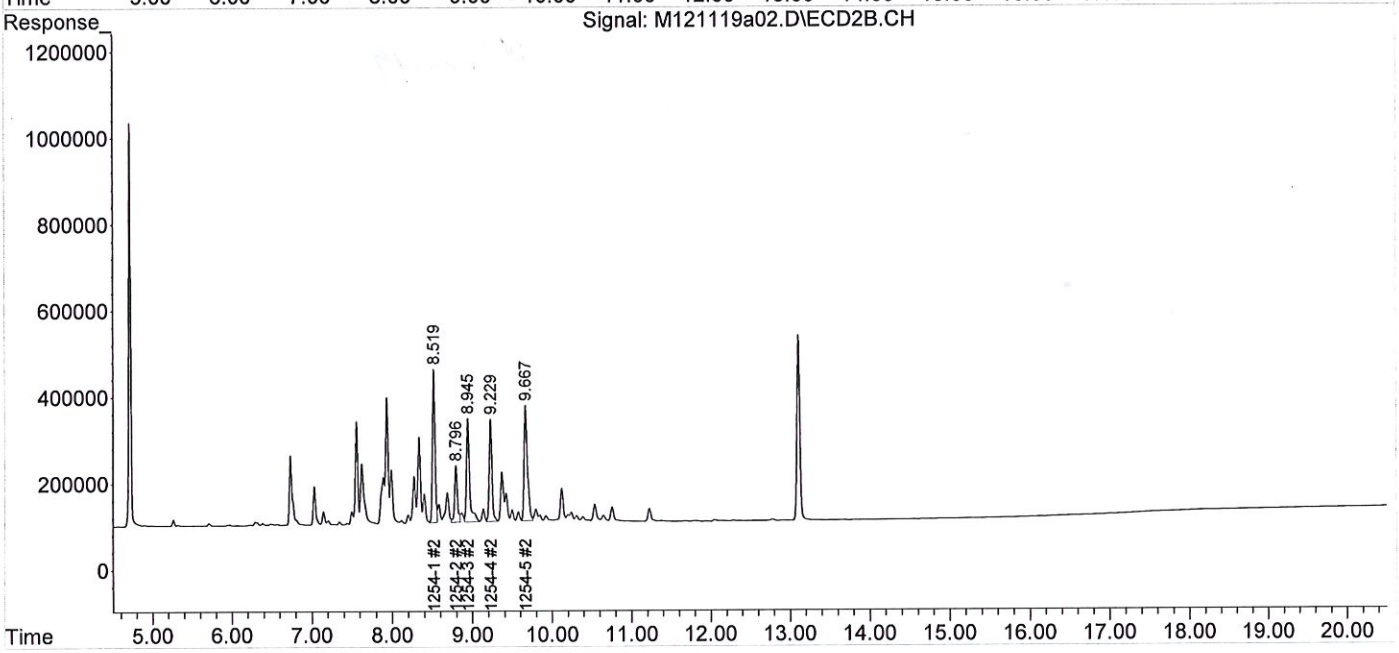
Quantitation Report (Not Reviewed)

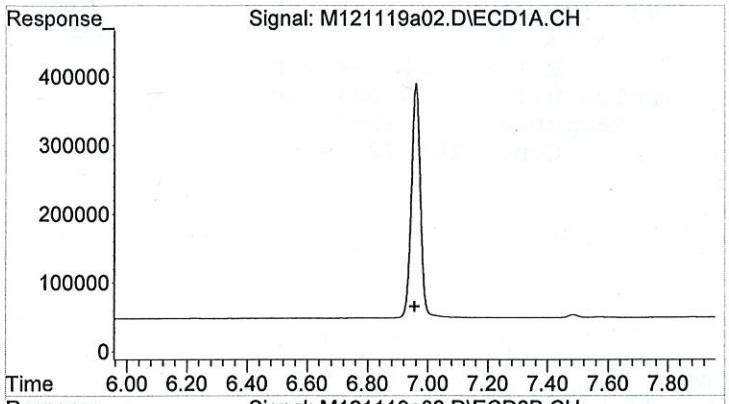
Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M121119PCBDW\
Data File : M121119a02.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Dec 2019 7:28 am
Operator : DWOOD
Sample : 87PCB120419K
Misc : PCB 1254 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: EVENTS1.E
Quant Time: Dec 12 09:06:20 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1254.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Thu Dec 05 08:10:02 2019
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

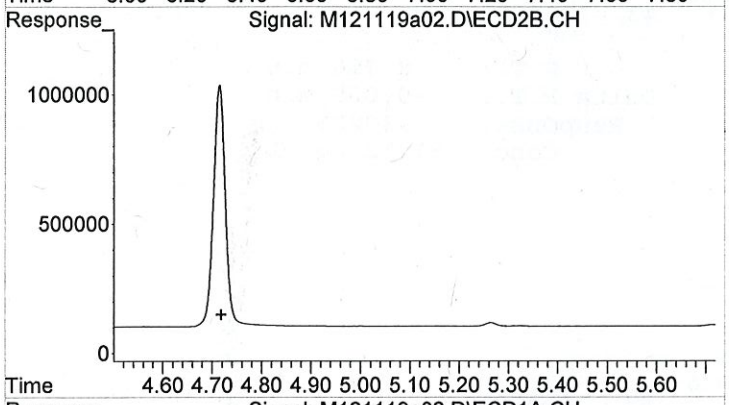






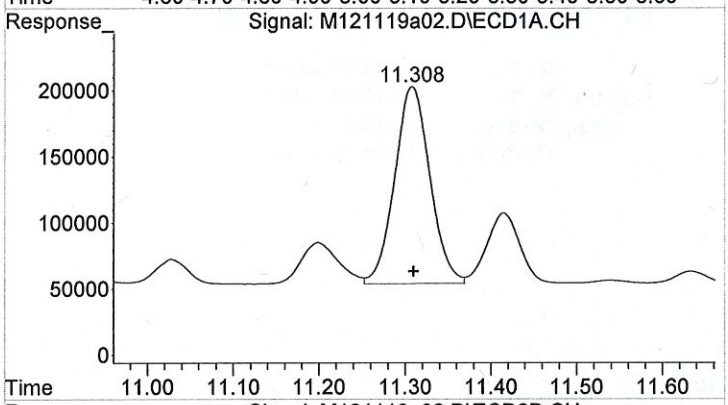
#1 tmx (1)

R.T.: 0.000 min
Exp R.T. : 6.957 min
Response: 0
Conc: N.D.



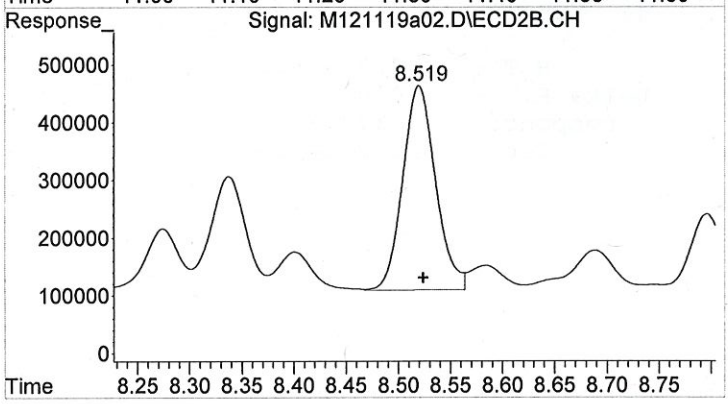
#1 tmx (1)

R.T.: 0.000 min
Exp R.T. : 4.719 min
Response: 0
Conc: N.D.



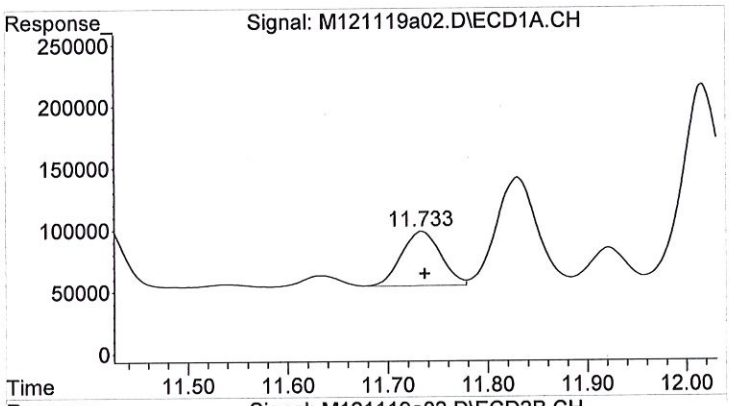
#2 1254-1

R.T.: 11.308 min
Delta R.T.: -0.002 min
Response: 148934
Conc: 105.21 pg/uL



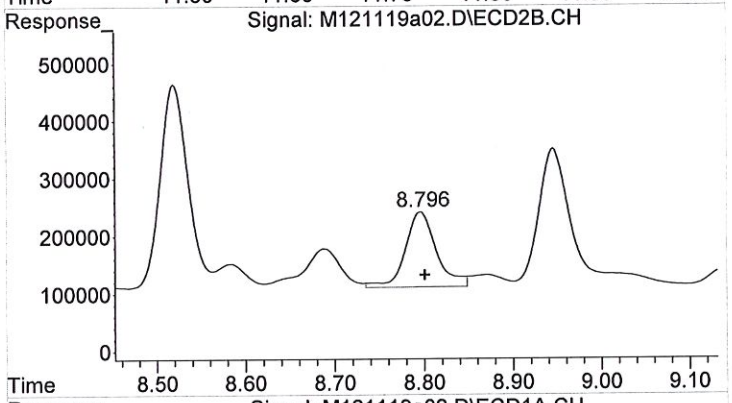
#2 1254-1

R.T.: 8.520 min
Delta R.T.: -0.004 min
Response: 354141
Conc: 92.03 pg/uL



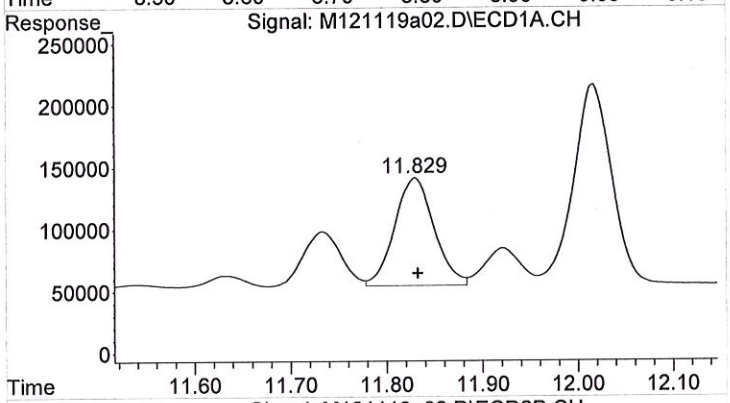
#3 1254-2

R.T.: 11.734 min
Delta R.T.: -0.003 min
Response: 43904
Conc: 101.72 pg/uL



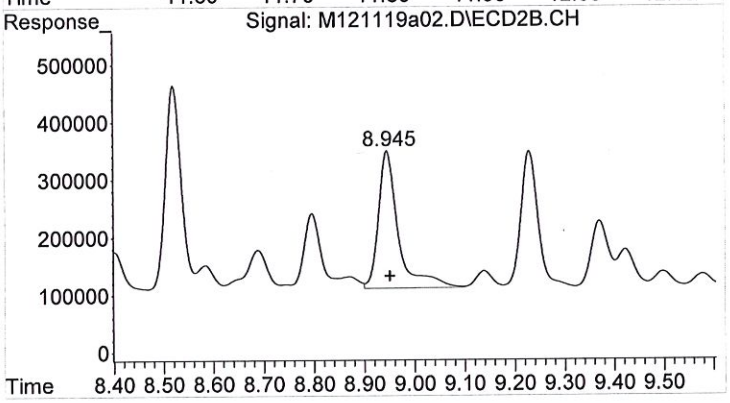
#3 1254-2

R.T.: 8.796 min
Delta R.T.: -0.005 min
Response: 130225
Conc: 91.12 pg/uL



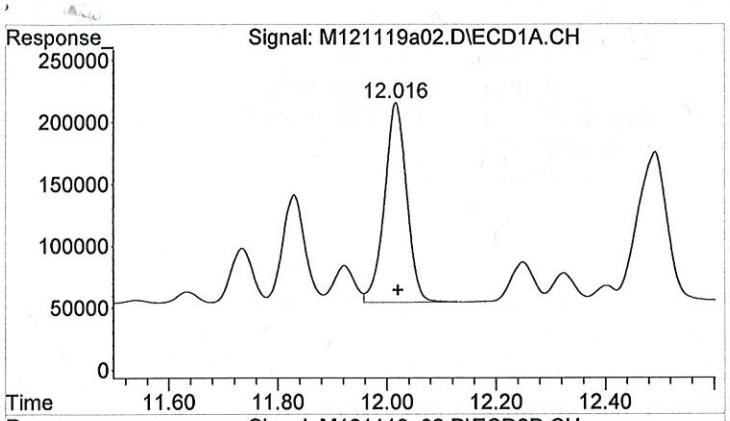
#4 1254-3

R.T.: 11.830 min
Delta R.T.: -0.003 min
Response: 86629
Conc: 97.97 pg/uL



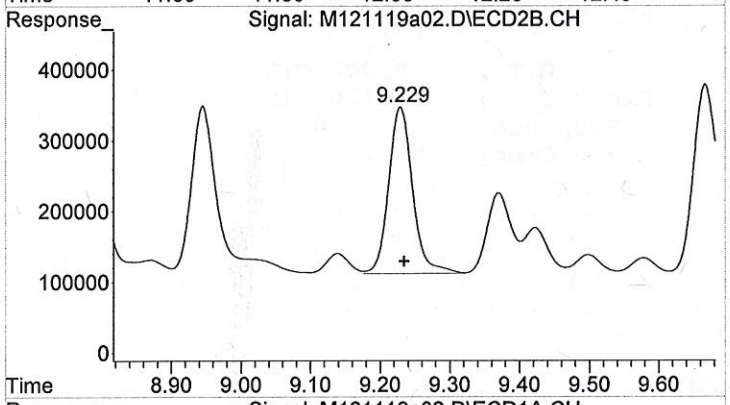
#4 1254-3

R.T.: 8.945 min
Delta R.T.: -0.006 min
Response: 238297
Conc: 93.59 pg/uL



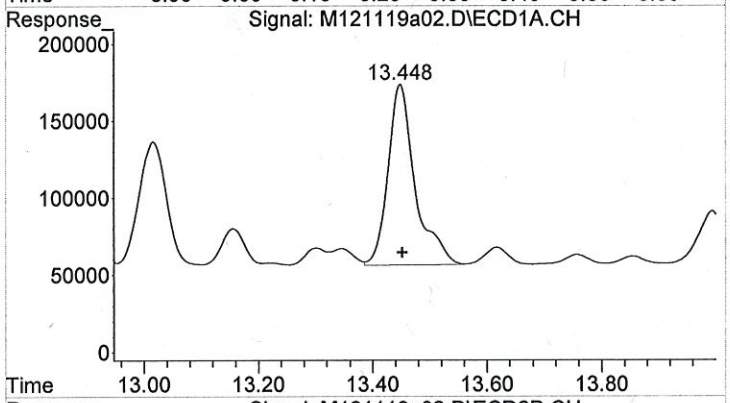
#5 1254-4

R.T.: 12.016 min
Delta R.T.: -0.005 min
Response: 161072
Conc: 98.63 pg/uL



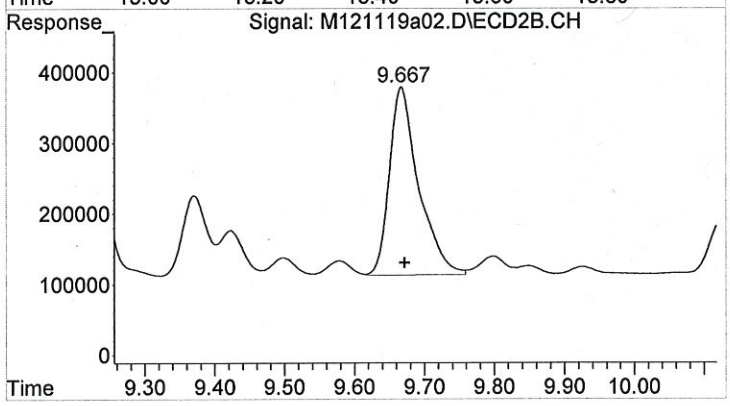
#5 1254-4

R.T.: 9.229 min
Delta R.T.: -0.006 min
Response: 235686
Conc: 90.71 pg/uL



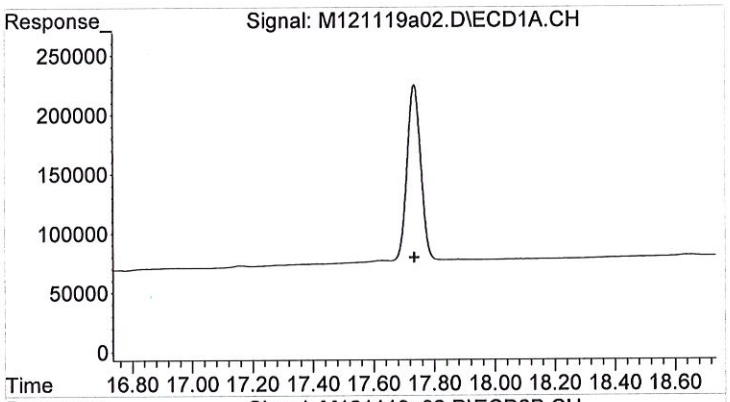
#6 1254-5

R.T.: 13.448 min
Delta R.T.: -0.004 min
Response: 117231
Conc: 92.09 pg/uL



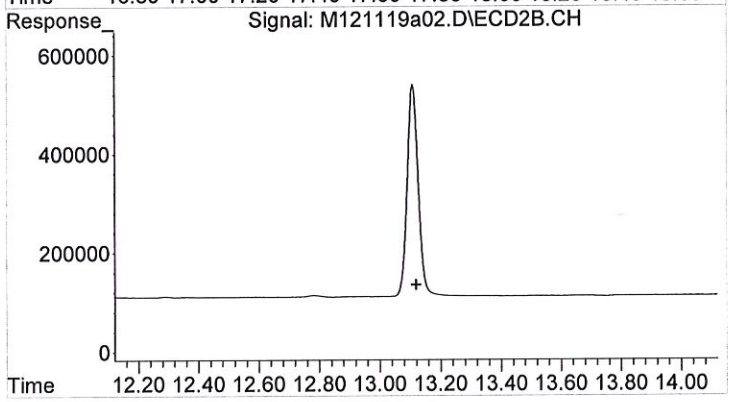
#6 1254-5

R.T.: 9.667 min
Delta R.T.: -0.005 min
Response: 265516
Conc: 91.31 pg/uL



#7 dcb

R.T.: 0.000 min
Exp R.T. : 17.735 min
Response: 0
Conc: N.D.



#7 dcb

R.T.: 0.000 min
Exp R.T. : 13.120 min
Response: 0
Conc: N.D.

PCB CCV Report

Data File....: M121119a05.D
Dataname.....: 87PCB120419K
Analyzed.....: 12/11/2019 8:42

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

CCV Level..: 100 pg/uL
ICAL Date..: 12/04/2019

Datafile path....: J:\Organics\Minerva\MINERVA 2019 DATA\M121119PCBDW\M121119a05.D
DP Method path...: J:\Organics\Minerva\Methods\M120419PCB1254.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%	6.96	-	m	10	-	-	
	dcb	-	>±1%	17.73	-	m	10	-	-	
	tmx (1) #2	-	>±1%	4.72	-	m	10	-	-	
	dcb #2	-	>±1%	13.12	-	m	10	-	-	
Target							Criteria range: <±20%D			
	1254-1	11.31		11.31	139370		100	98.2	-1.8	
	1254-2	11.73		11.74	41439		100	95.6	-4.4	
	1254-3	11.83		11.83	83842		100	94.7	-5.3	
	1254-4	12.01		12.02	149150		100	91.1	-8.9	
	1254-5	13.45		13.45	118639		100	93.2	-6.8	
	1254-1 #2	8.52		8.52	359389		100	93.4	-6.6	
	1254-2 #2	8.80		8.80	133283		100	93.3	-6.7	
	1254-3 #2	8.95		8.95	244302		100	95.9	-4.1	
	1254-4 #2	9.23		9.23	240236		100	92.4	-7.6	
	1254-5 #2	9.67		9.67	264779		100	91.1	-8.9	

Average %Difference:	%Diff
1254 Column 1 (n=5)	-5.4
1254 Column 2 (n=5)	-6.8

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M121119PCBDW\
Data File : M121119a05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Dec 2019 8:42 am
Operator : DWOOD
Sample : 87PCB120419K
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: EVENTS1.E
Quant Time: Dec 12 09:08:42 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1254.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Thu Dec 05 08:10:02 2019
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)	L2 1254-1	11.307	8.520	139370	359389	98.186	93.359
3)	L2 1254-2	11.730	8.797	41439	133283	95.647	93.272
4)	L2 1254-3	11.826	8.946	83842	244302	94.733	95.870
5)	L2 1254-4	12.014	9.230	149150	240236	91.116	92.445
6)	L2 1254-5	13.445	9.667	118639	264779	93.231	91.061
	Sum 1254-1			532440	1241988	472.914	466.007
	Average 1254-1					94.583	93.201

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

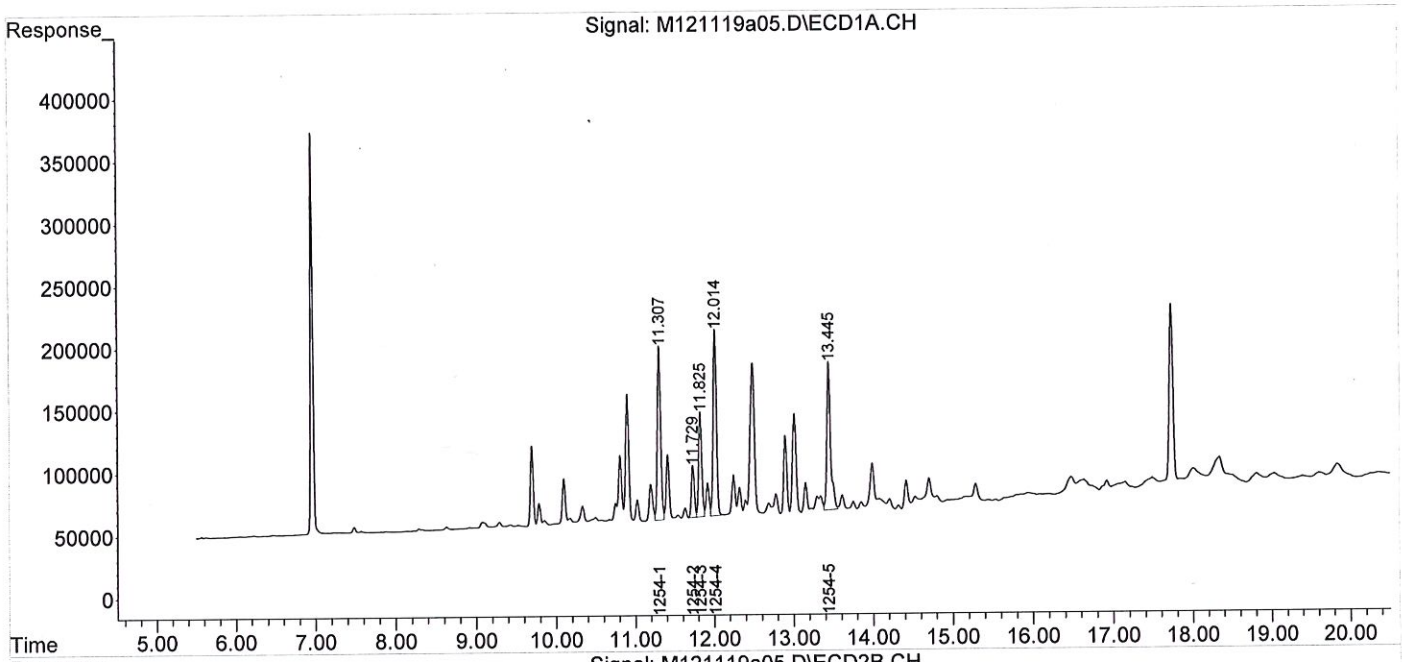
lw
12/12/19

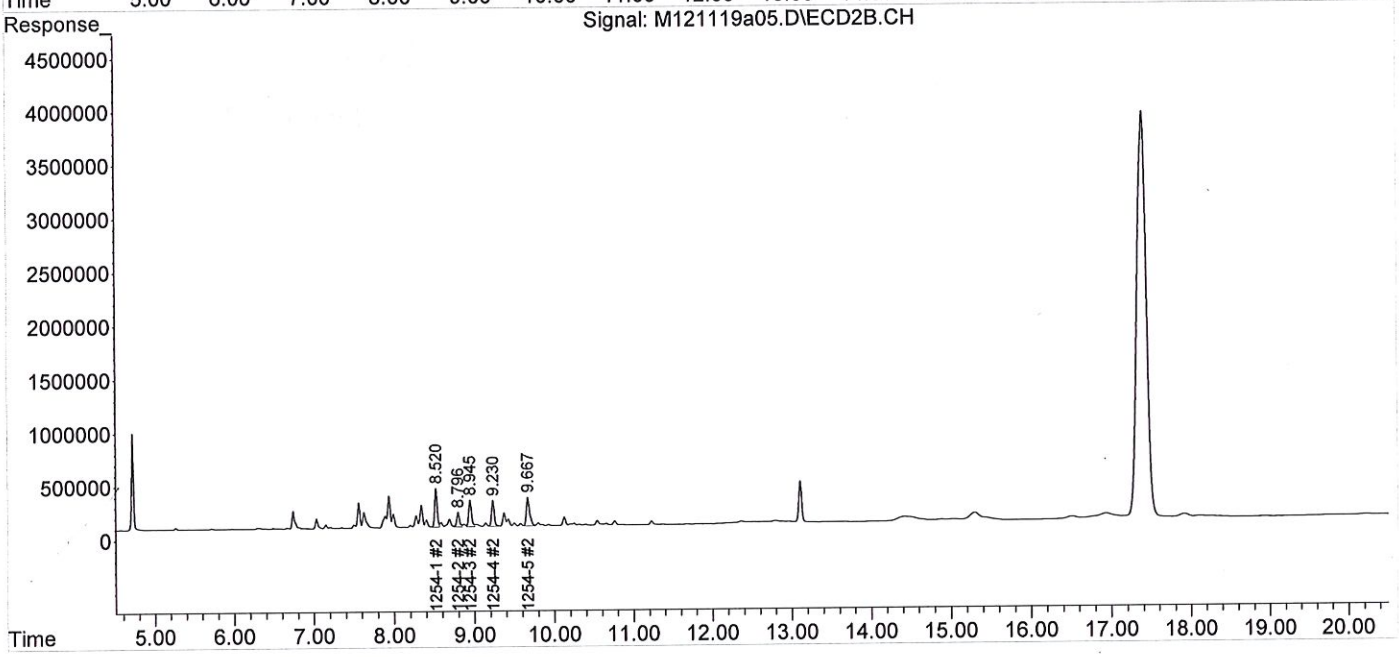
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M121119PCBDW\
Data File : M121119a05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Dec 2019 8:42 am
Operator : DWOOD
Sample : 87PCB120419K
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: EVENTS1.E
Quant Time: Dec 12 09:08:42 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1254.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Thu Dec 05 08:10:02 2019
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





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M121119PCBDW\
Data File : M121119a05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Dec 2019 8:42 am
Operator : DWOOD
Sample : 87PCB120419K
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: EVENTS1.E
Quant Time: Dec 12 09:06:33 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1254.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Thu Dec 05 08:10:02 2019
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)	6.960	4.717	~~321288~~	~~898958~~	NoCal	NoCal
7) S2 dcb	17.731	13.108	~~141268~~	~~377039~~	NoCal	NoCal
Target Compounds						
2) L2 1254-1	11.307	8.520	139370	359389	98.186	93.359
3) L2 1254-2	11.730	8.797	41439	133283	95.647	93.272
4) L2 1254-3	11.826	8.946	83842	244302	94.733	95.870
5) L2 1254-4	12.014	9.230	149150	240236	91.116	92.445
6) L2 1254-5	13.445	9.667	118639	264779	93.231	91.061
Sum 1254-1			532440	1241988	472.914	466.007
Average 1254-1					94.583	93.201

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

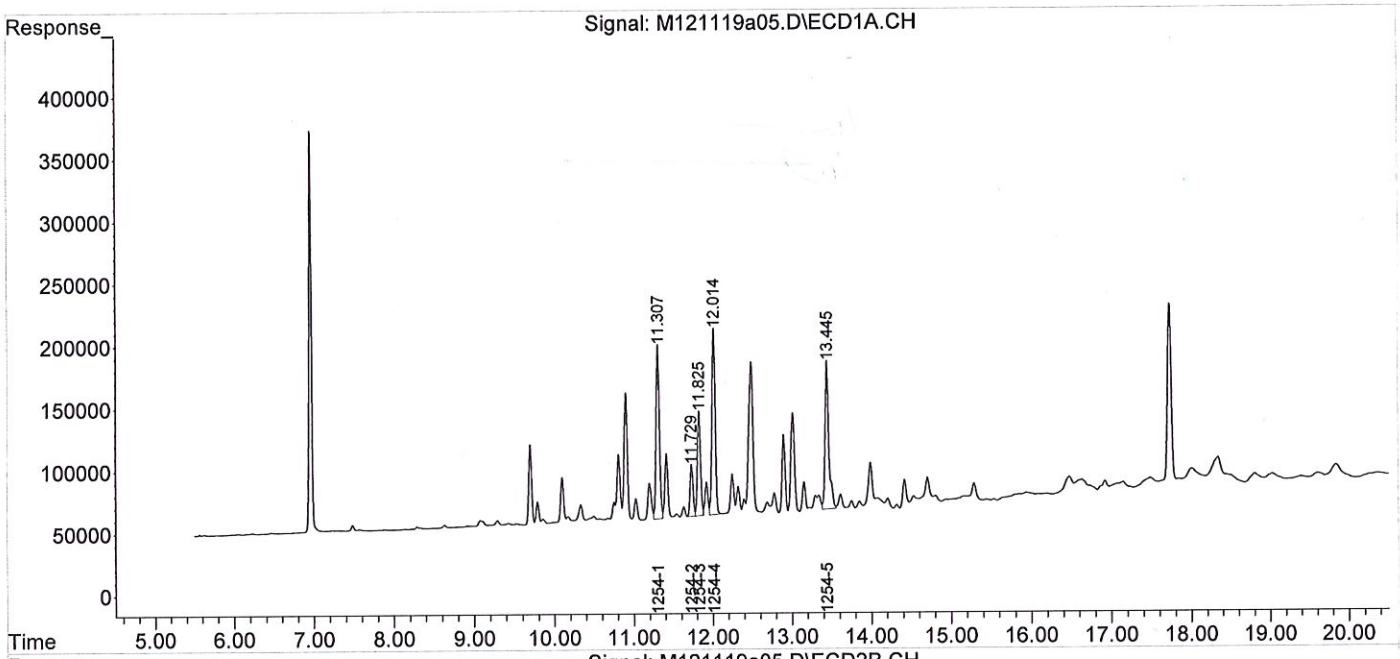
12/12/19

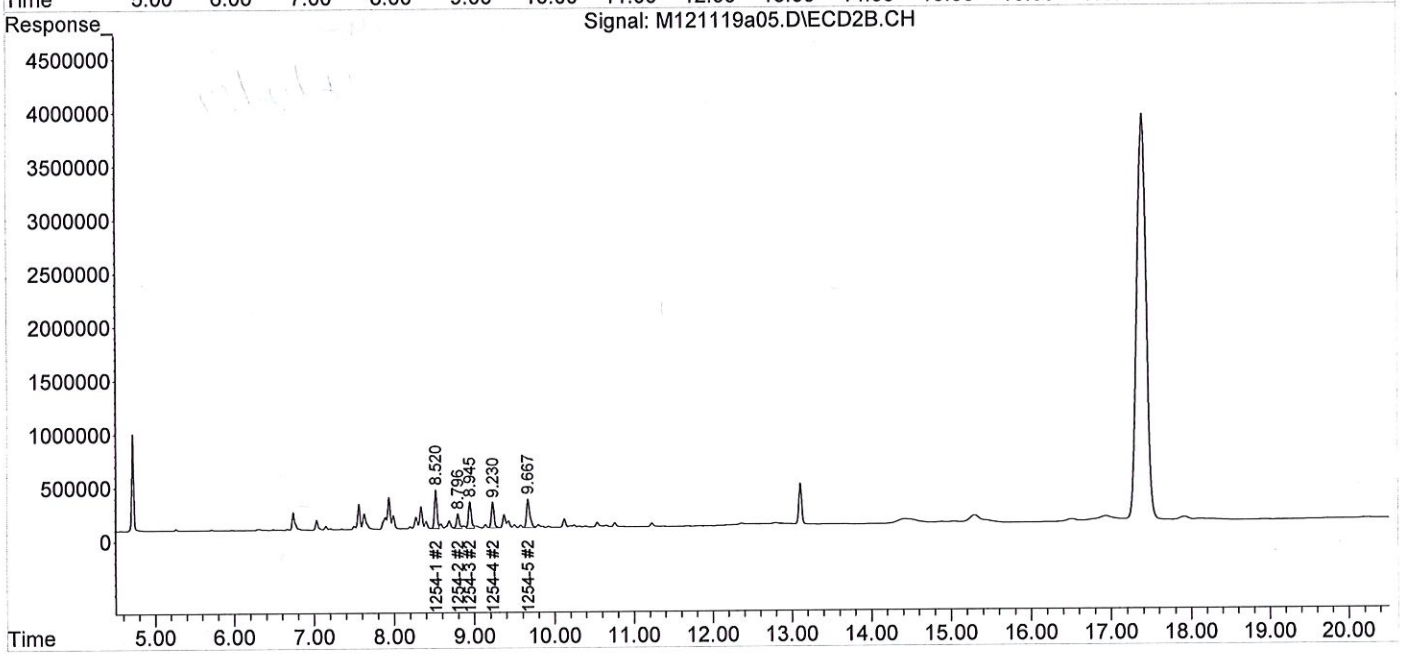
Quantitation Report (Not Reviewed)

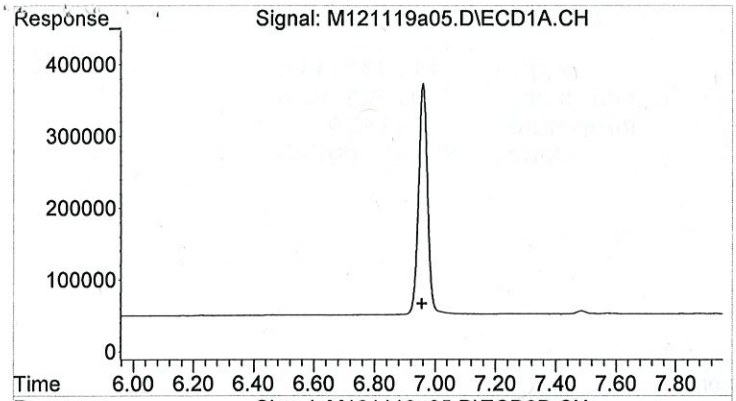
Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M121119PCBDW\
Data File : M121119a05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Dec 2019 8:42 am
Operator : DWOOD
Sample : 87PCB120419K
Misc : PCB 1254 Cont Cal 100 pg/uL
ALS Vial : 0 (Sig #1); 2 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: EVENTS1.E
Quant Time: Dec 12 09:06:33 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1254.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Thu Dec 05 08:10:02 2019
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

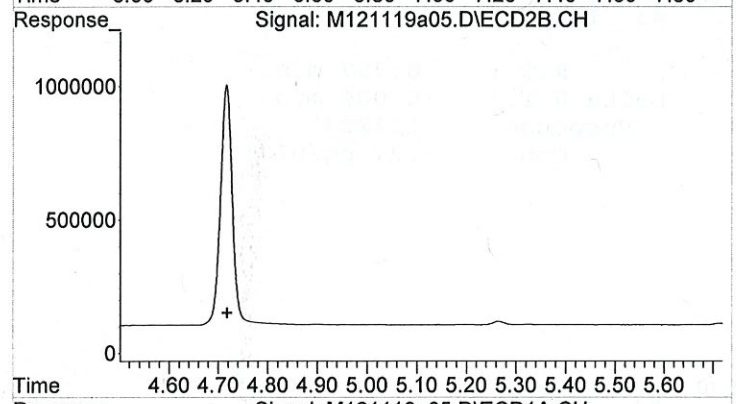






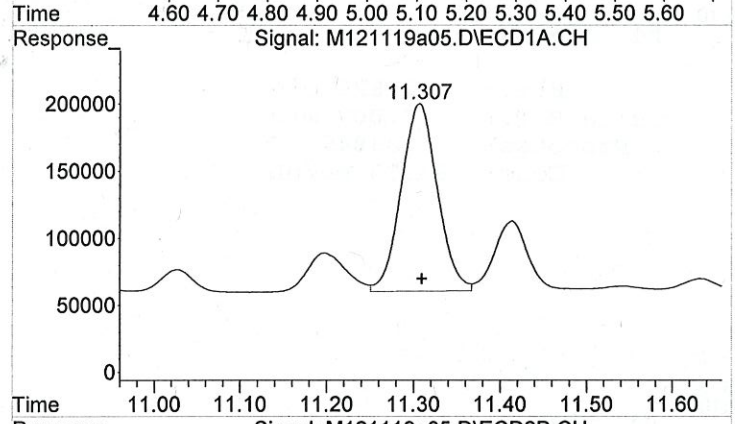
#1 tmx (1)

R.T.: 0.000 min
Exp R.T. : 6.957 min
Response: 0
Conc: N.D.



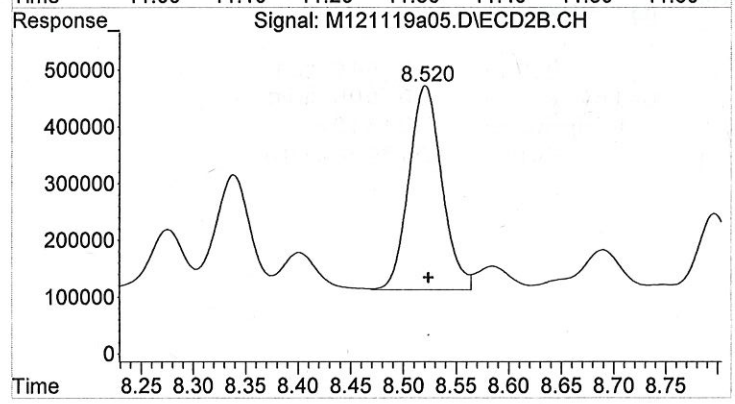
#1 tmx (1)

R.T.: 0.000 min
Exp R.T. : 4.719 min
Response: 0
Conc: N.D.



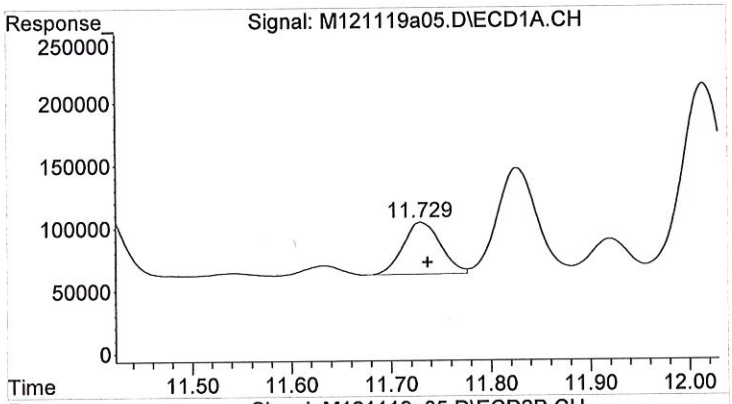
#2 1254-1

R.T.: 11.307 min
Delta R.T.: -0.003 min
Response: 139370
Conc: 98.19 pg/uL



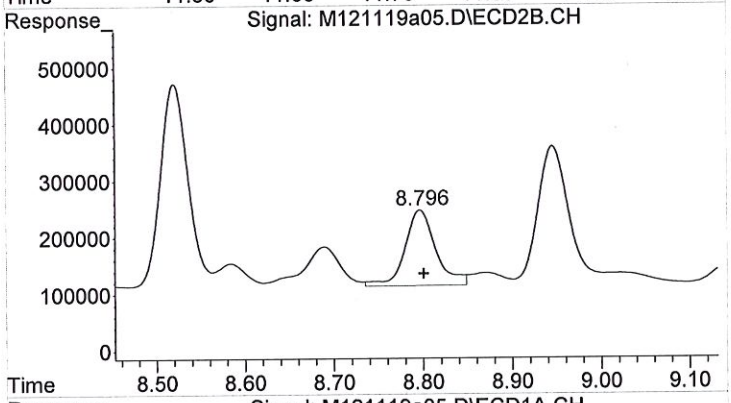
#2 1254-1

R.T.: 8.520 min
Delta R.T.: -0.004 min
Response: 359389
Conc: 93.36 pg/uL



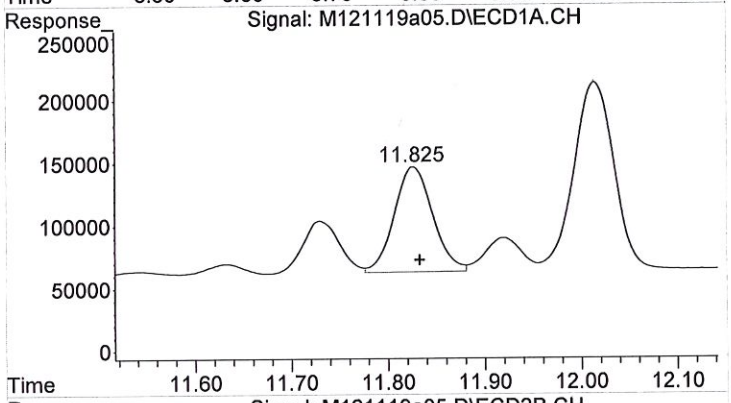
#3 1254-2

R.T.: 11.730 min
Delta R.T.: -0.007 min
Response: 41439
Conc: 95.65 pg/uL



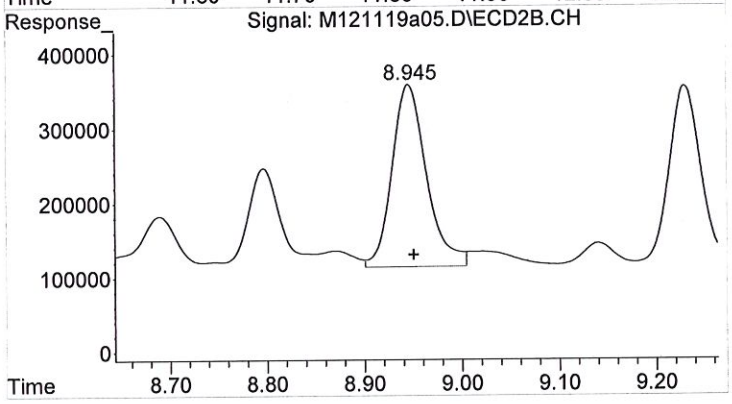
#3 1254-2

R.T.: 8.797 min
Delta R.T.: -0.004 min
Response: 133283
Conc: 93.27 pg/uL



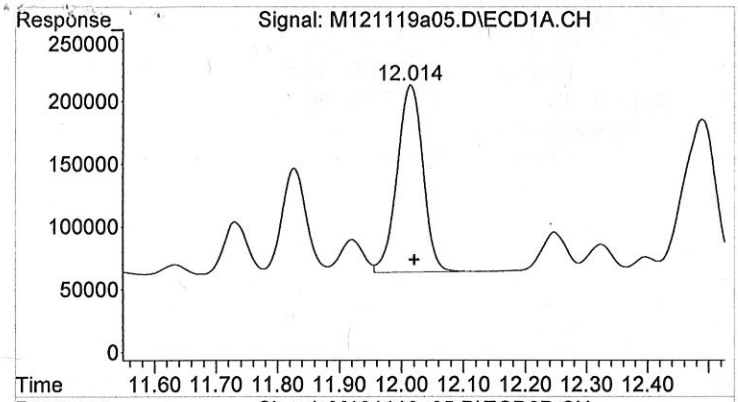
#4 1254-3

R.T.: 11.826 min
Delta R.T.: -0.007 min
Response: 83842
Conc: 94.73 pg/uL



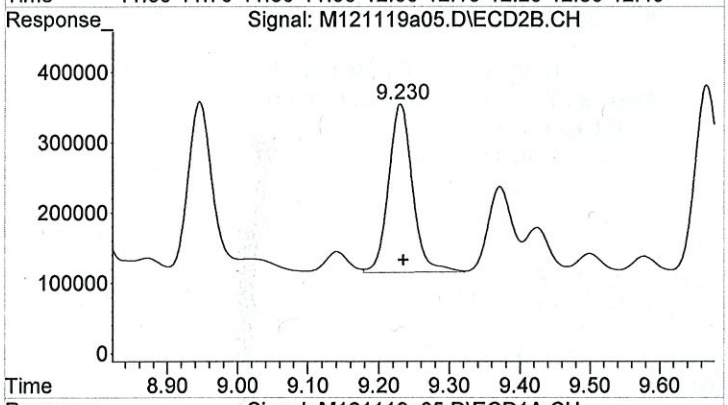
#4 1254-3

R.T.: 8.946 min
Delta R.T.: -0.005 min
Response: 244302
Conc: 95.87 pg/uL



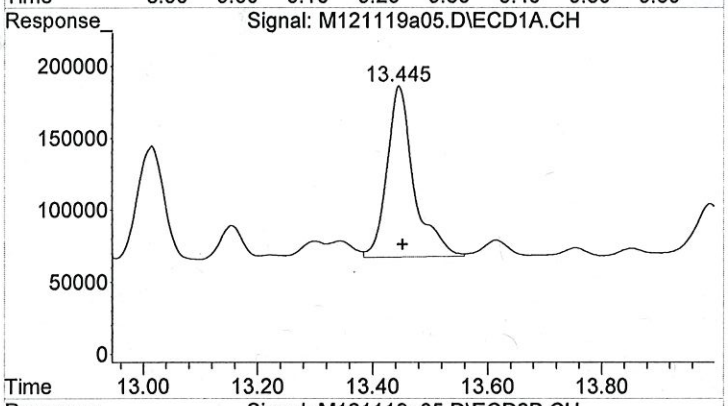
#5 1254-4

R.T.: 12.014 min
Delta R.T.: -0.007 min
Response: 149150
Conc: 91.12 pg/uL



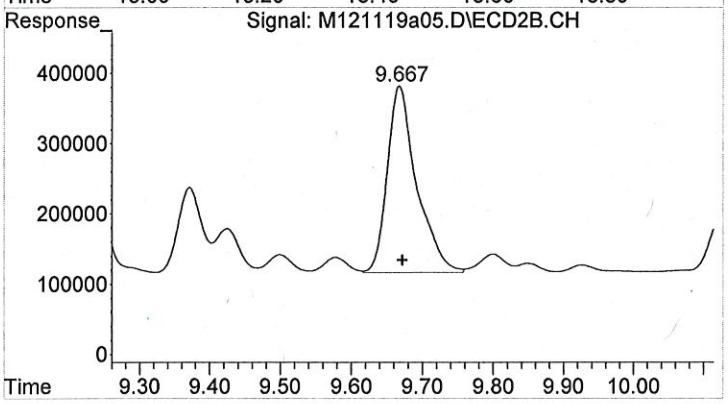
#5 1254-4

R.T.: 9.230 min
Delta R.T.: -0.005 min
Response: 240236
Conc: 92.45 pg/uL



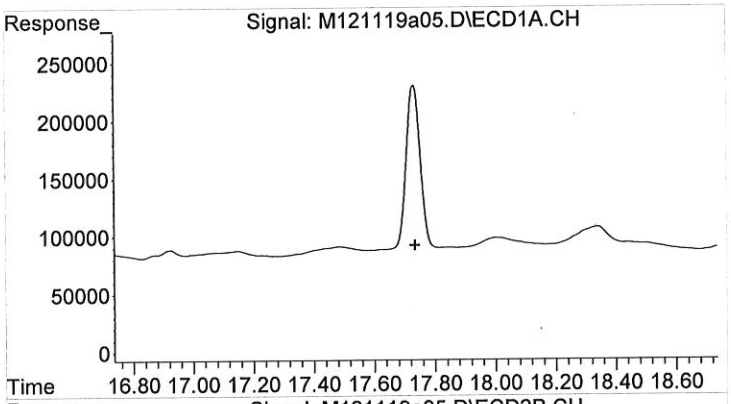
#6 1254-5

R.T.: 13.445 min
Delta R.T.: -0.007 min
Response: 118639
Conc: 93.23 pg/uL



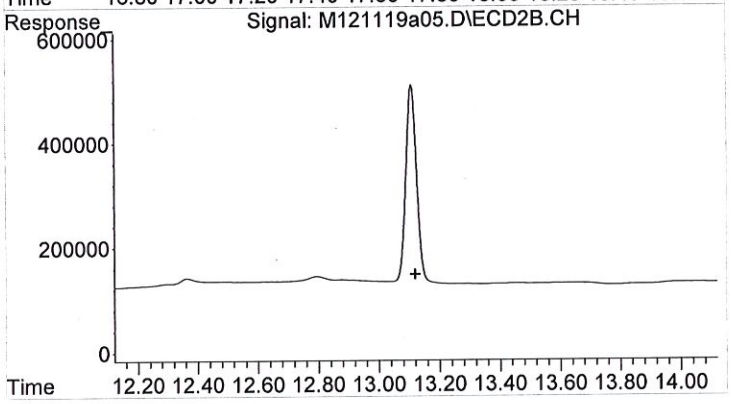
#6 1254-5

R.T.: 9.667 min
Delta R.T.: -0.005 min
Response: 264779
Conc: 91.06 pg/uL



#7 dcb

R.T.: 0.000 min
Exp R.T. : 17.735 min
Response: 0
Conc: N.D.



#7 dcb

R.T.: 0.000 min
Exp R.T. : 13.120 min
Response: 0
Conc: N.D.

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

Sample.....: 19434301
Data File....: M111319a06.D
Project.....: OCE-009E
Matrix.....: 42 - Wipe
Analyzed.....: 11/13/2019 12:58
Type.....: 0

Date Prepped...: 11/4/2019
ICAL Date.....: 11/12/2019
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.: 10 wipe
Percent Solids...: NA
Final Volume.....: 10 mL
Dilution.....: 1x D0

Additional Info..: SKY Valley PCB Wipes 10mL fv
DP Method Path...: J:\Organics\Minerva\Methods\M111219PCB1260.M
Datafile Path....: J:\Organics\Minerva\MINERVA 2019 DATA\M111319PCBDW\M111319a06.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)	6.96	6.96	1300960		50	46	92	%Rec	
12	2.5	250	dcb	17.73	17.73	612661		50	53	106	%Rec	
14	2.5	250	tmx (1) #2	4.71	4.71	4219770		50	47	95	%Rec	
25	2.5	250	dcb #2	13.11	13.11	1579500		50	39	77	%Rec	
2	25	2500	1016 -1	-	-	-	d	-	-	0.25	ug (RL)	U
3	25	2500	1016-2	-	-	-	d	-	-	0.25	ug (RL)	U
4	25	2500	1016-3	-	-	-	d	-	-	0.25	ug (RL)	U
5	25	2500	1016-4	-	-	-	d	-	-	0.25	ug (RL)	U
6	25	2500	1016-5	-	-	-	d	-	-	0.25	ug (RL)	U
7	25	2500	1260-1	-	-	-	d	-	-	0.25	ug (RL)	U
8	25	2500	1260-2	-	-	-	d	-	-	0.25	ug (RL)	U
9	25	2500	1260-3	-	-	-	d	-	-	0.25	ug (RL)	U
10	25	2500	1260-4	-	-	-	d	-	-	0.25	ug (RL)	U
11	25	2500	1260-5	-	-	-	d	-	-	0.25	ug (RL)	U
15	25	2500	1016 -1 #2	-	-	-	d	-	-	0.25	ug (RL)	U
16	25	2500	1016-2 #2	-	-	-	d	-	-	0.25	ug (RL)	U
17	25	2500	1016-3 #2	-	-	-	d	-	-	0.25	ug (RL)	U
18	25	2500	1016-4 #2	-	-	-	d	-	-	0.25	ug (RL)	U
19	25	2500	1016-5 #2	-	-	-	d	-	-	0.25	ug (RL)	U
20	25	2500	1260-1 #2	-	-	-	d	-	-	0.25	ug (RL)	U
21	25	2500	1260-2 #2	-	-	-	d	-	-	0.25	ug (RL)	U
22	25	2500	1260-3 #2	-	-	-	d	-	-	0.25	ug (RL)	U
23	25	2500	1260-4 #2	-	-	-	d	-	-	0.25	ug (RL)	U
24	25	2500	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.

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M111319PCBDW\
Data File : M111319a06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2019 12:58 pm
Operator : DWOOD
Sample : 19434301
Misc : SKY Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: EVENTS1.E
Quant Time: Dec 06 12:11:21 2019
Quant Method : J:\Organics\Minerva\Methods\M111219PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Nov 12 15:48:19 2019
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)	6.958	4.714	1300960	4219772	45.865	47.350
12)	S2 dcb	17.733	13.107	612661	1579502	52.828	38.688 #
	Target Compounds						
2)	L1 1016 -1	0.000	0.000	0	0	N.D. d	N.D. d
3)	L1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
4)	L1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
5)	L1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
6)	L1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016 -1			0	0	N.D.	N.D.
	Average 1016 -1					0.000	0.000
7)	L2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
8)	L2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
9)	L2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
10)	L2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
11)	L2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000

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

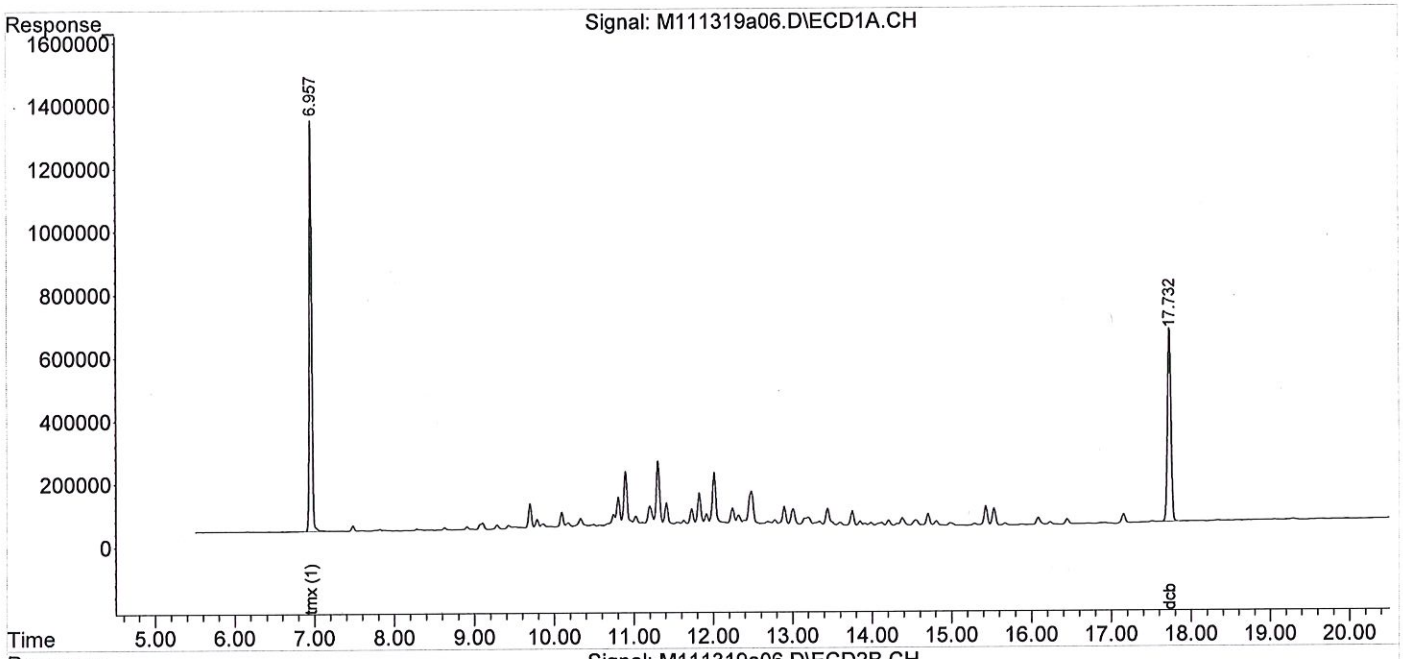
12/6/19

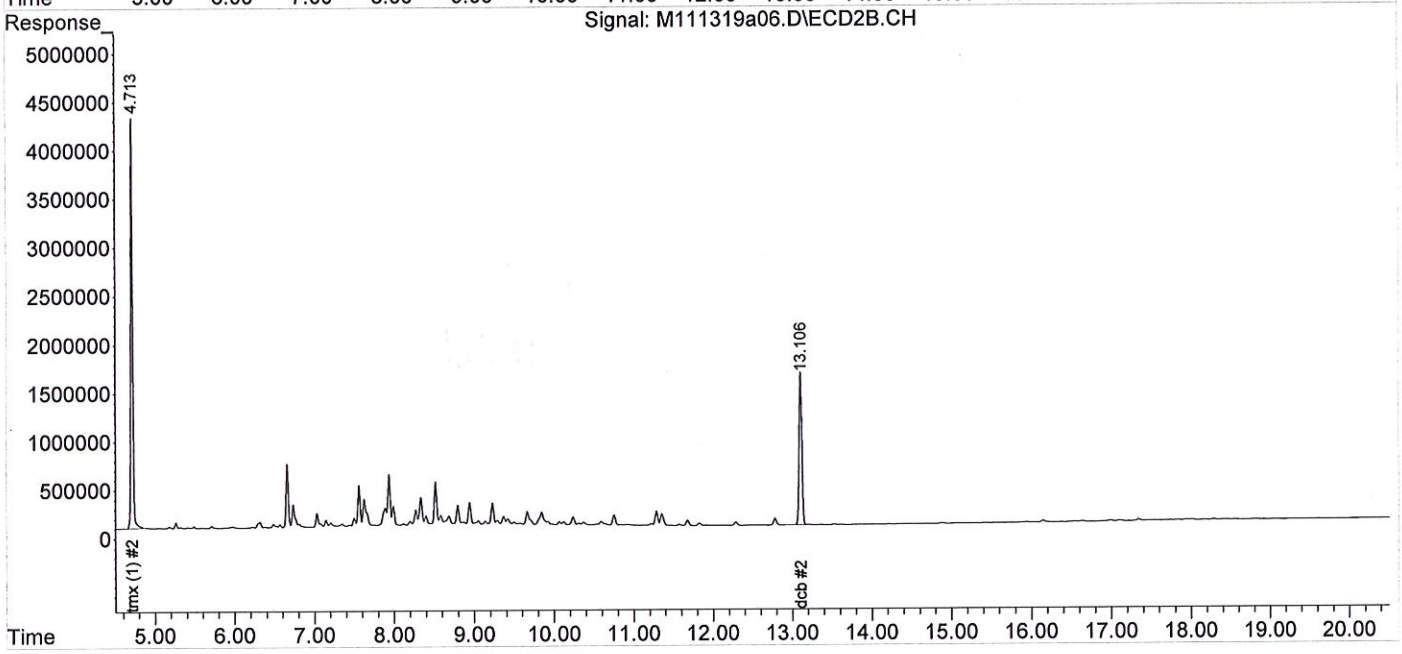
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M111319PCBDW\
Data File : M111319a06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2019 12:58 pm
Operator : DWOOD
Sample : 19434301
Misc : SKY Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: EVENTS1.E
Quant Time: Dec 06 12:11:21 2019
Quant Method : J:\Organics\Minerva\Methods\M111219PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Nov 12 15:48:19 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M111319PCBDW\
Data File : M111319a06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2019 12:58 pm
Operator : DWOOD
Sample : 19434301
Misc : SKY Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 6 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: EVENTS1.E
Quant Time: Nov 14 10:08:56 2019
Quant Method : J:\Organics\Minerva\Methods\M111219PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Nov 12 15:48:19 2019
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

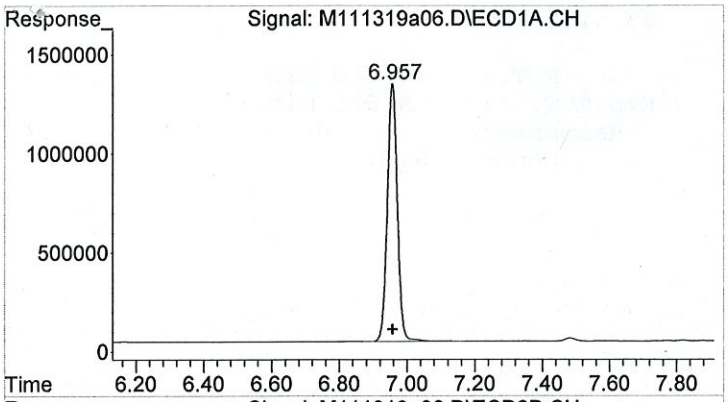
Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL
System Monitoring Compounds						
1) S2 tmx (1)	6.958	4.714	1300960	4219772	45.865	47.350
12) S2 dcb	17.733	13.107	612661	1579502	52.828	38.688 #
Target Compounds						
2) L1 1016 -1	0.000	5.263	0	57656	N.D.	31.259 #
3) L1 1016-2	0.000	5.713	0	16930	N.D.	N.D.
4) L1 1016-3	9.284	6.315	12695	58403	10.726	12.281
5) L1 1016-4	9.428	6.486	11016	35618	20.095	12.062 #
6) L1 1016-5	9.697	6.569	78939	30347	160.173	16.780 #
Sum 1016 -1			102650	182025	190.993	70.754
Average 1016 -1					63.664	17.688
7) L2 1260-1	12.482	8.795	112267	215750	113.945	65.135 #
8) L2 1260-2	12.896	9.227	63692	232900	53.314	46.516
9) L2 1260-3	13.444	9.665	56519	142489	44.415	35.510
10) L2 1260-4	14.705	10.238	36546	82663	24.960	32.733 #
11) L2 1260-5	0.000	10.755	0	98699	N.D.	20.335 #
Sum 1260-1			269024	772501	236.635	200.229
Average 1260-1					59.159	40.046

mw 1242

mw

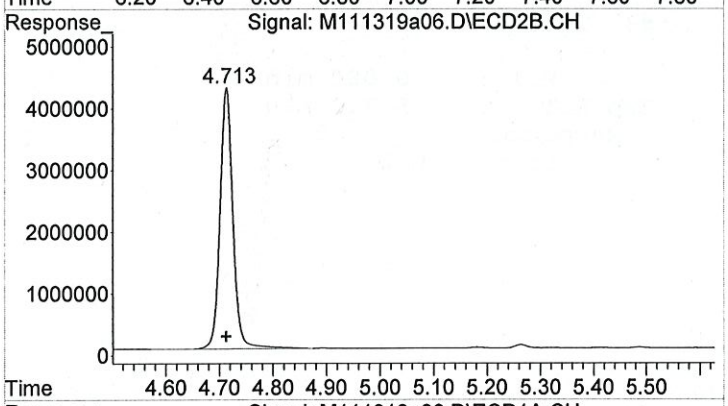
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

mw
11/15/19



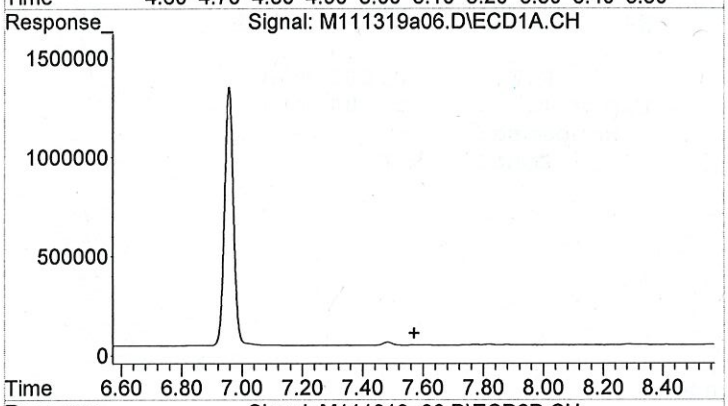
#1 tmx (1)

R.T.: 6.958 min
Delta R.T.: -0.001 min
Response: 1300960
Conc: 45.87 pg/uL



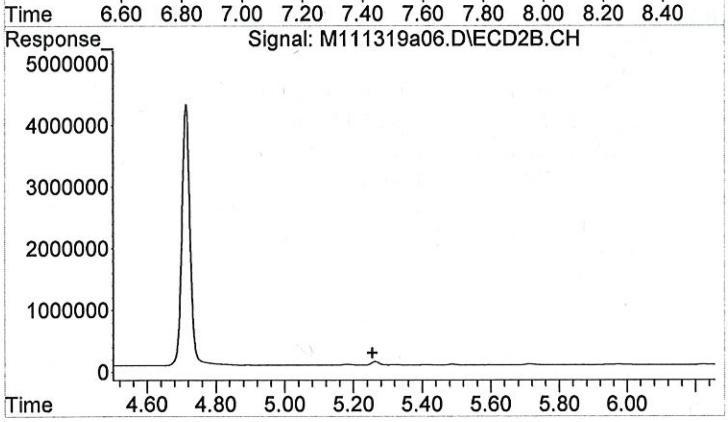
#1 tmx (1)

R.T.: 4.714 min
Delta R.T.: 0.000 min
Response: 4219772
Conc: 47.35 pg/uL



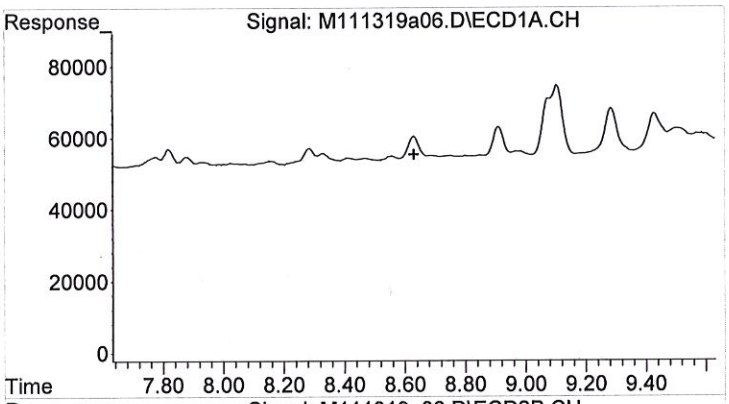
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 7.571 min
Response: 0
Conc: N.D.



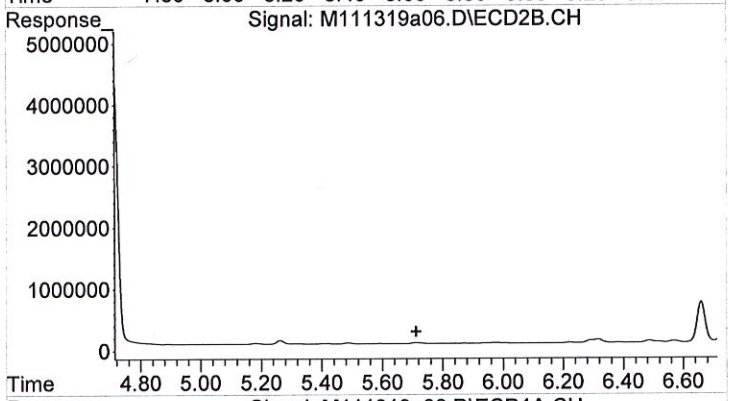
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 5.256 min
Response: 0
Conc: N.D.



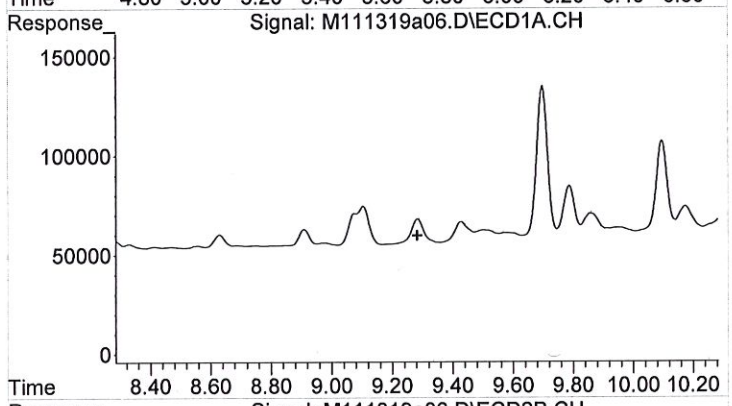
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 8.631 min
Response: 0
Conc: N.D.



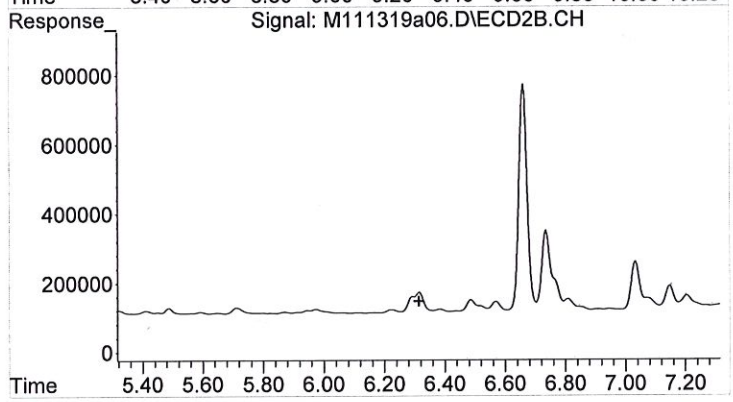
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 5.713 min
Response: 0
Conc: N.D.



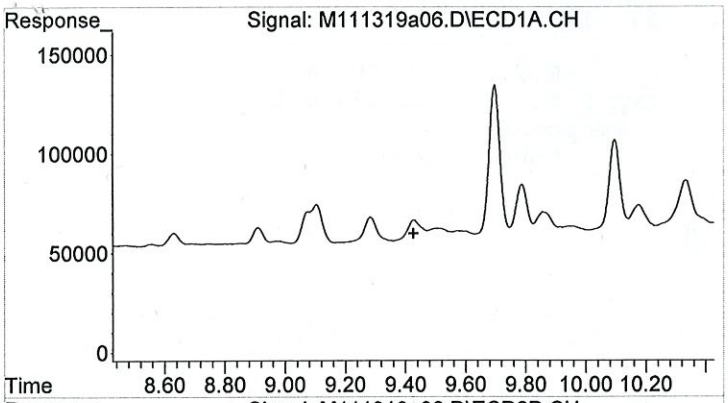
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 9.284 min
Response: 0
Conc: N.D.



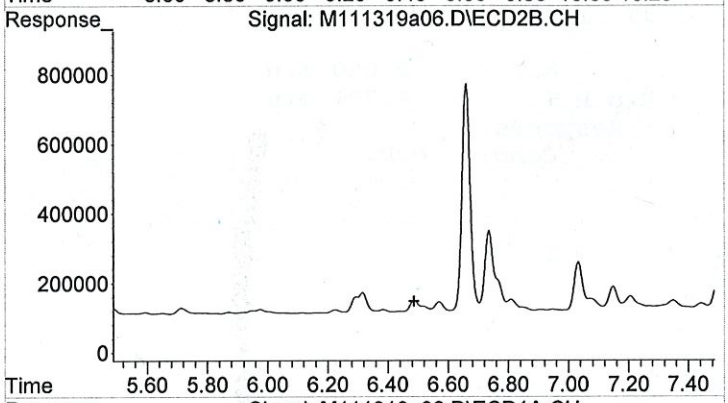
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 6.315 min
Response: 0
Conc: N.D.



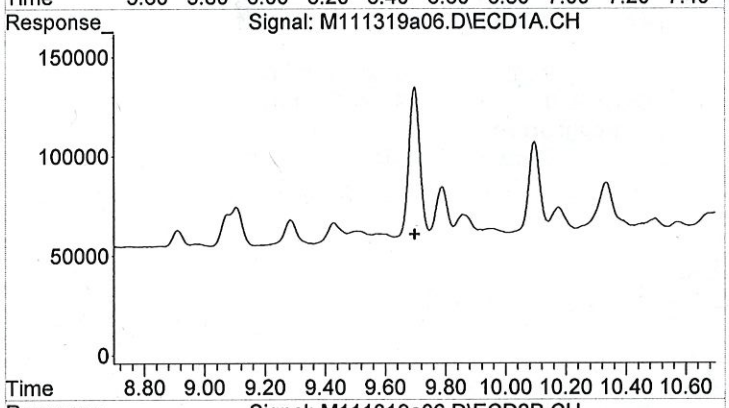
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 9.427 min
Response: 0
Conc: N.D.



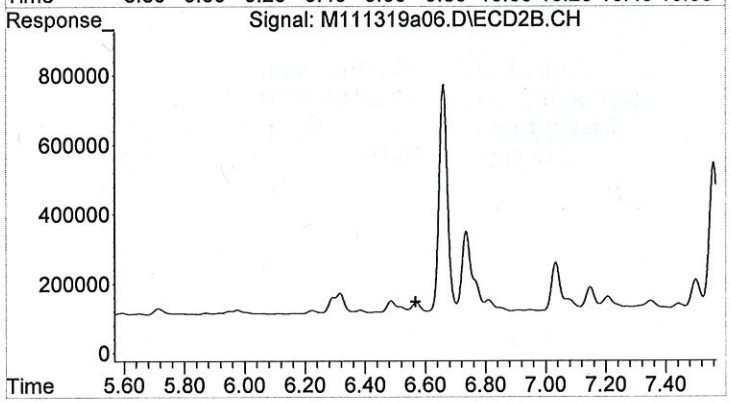
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 6.487 min
Response: 0
Conc: N.D.



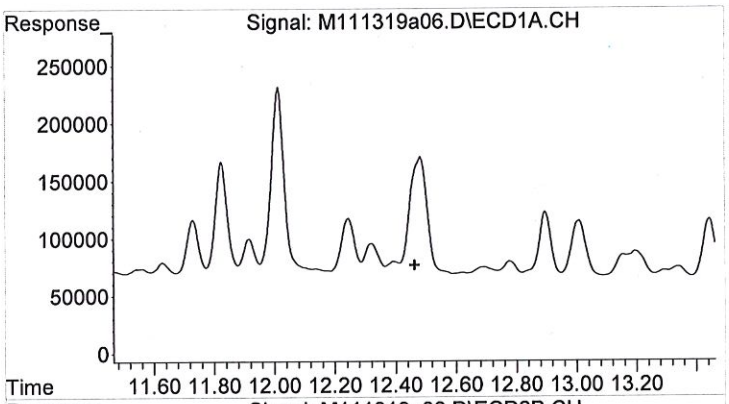
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 9.698 min
Response: 0
Conc: N.D.



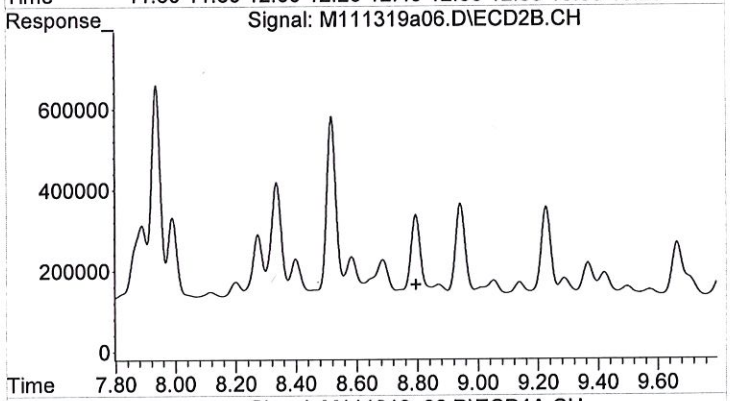
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 6.568 min
Response: 0
Conc: N.D.



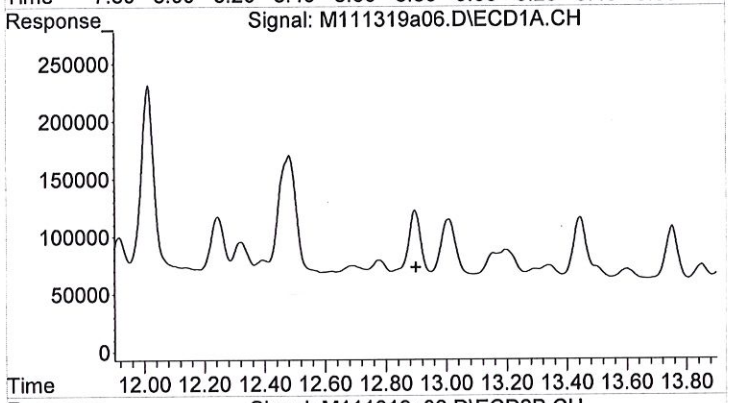
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 12.464 min
Response: 0
Conc: N.D.



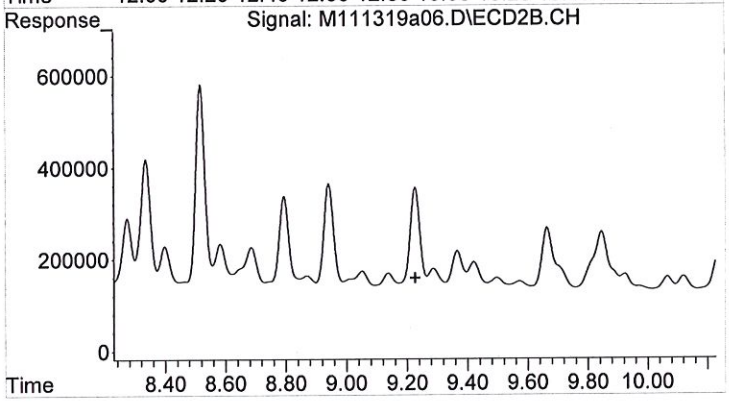
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 8.796 min
Response: 0
Conc: N.D.



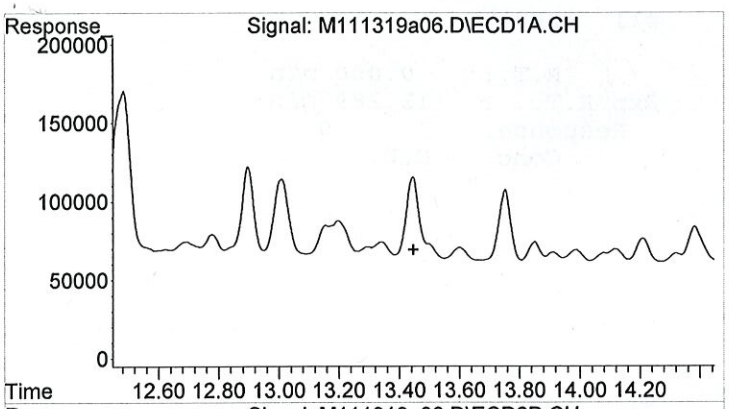
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 12.900 min
Response: 0
Conc: N.D.



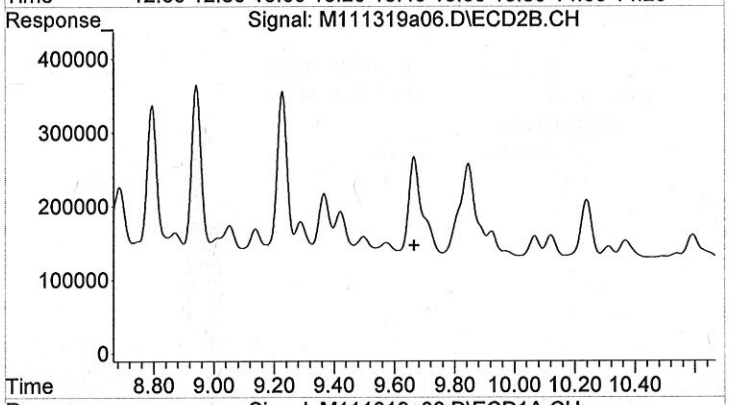
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 9.228 min
Response: 0
Conc: N.D.



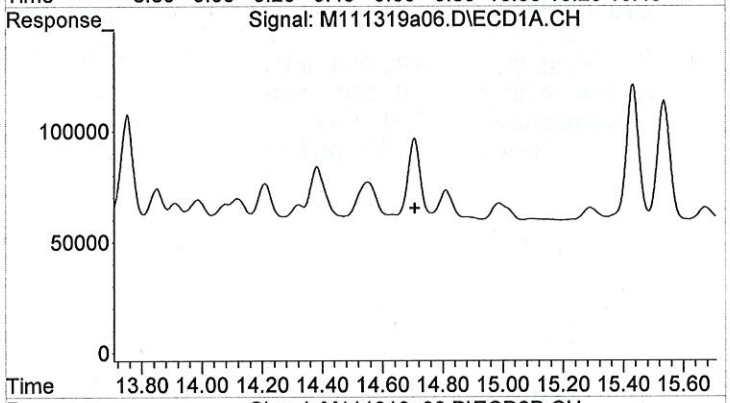
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 13.447 min
Response: 0
Conc: N.D.



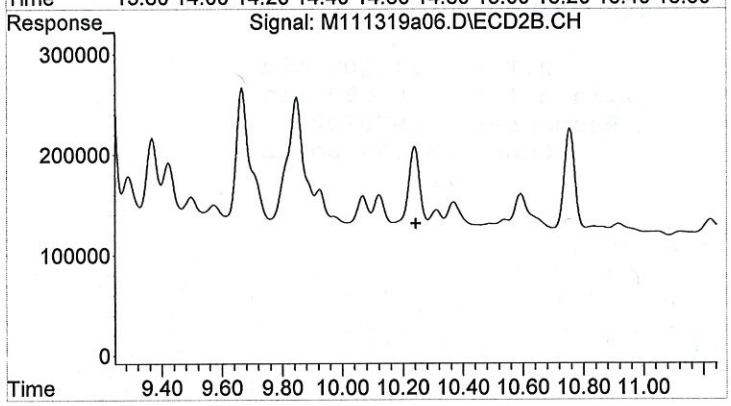
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 9.666 min
Response: 0
Conc: N.D.



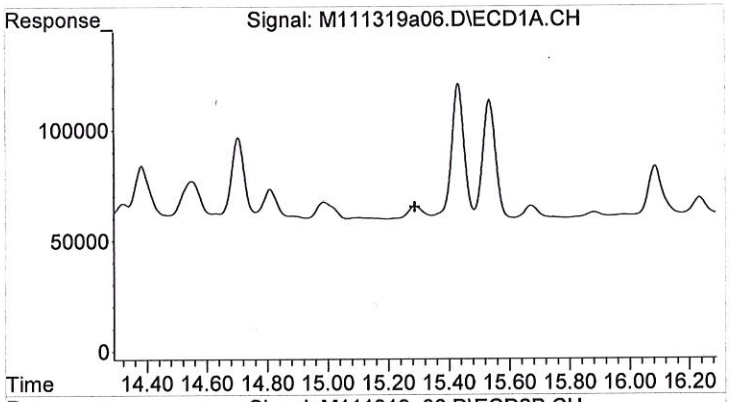
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 14.708 min
Response: 0
Conc: N.D.



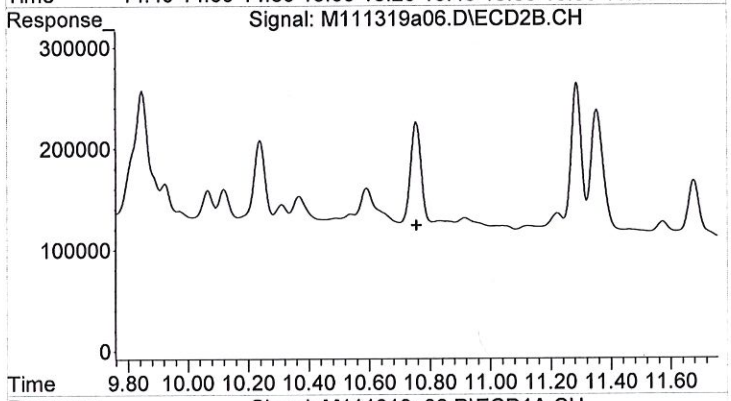
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 10.244 min
Response: 0
Conc: N.D.



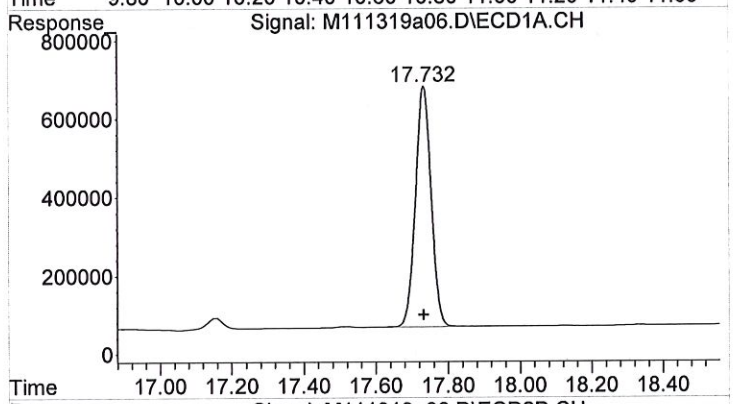
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 15.289 min
Response: 0
Conc: N.D.



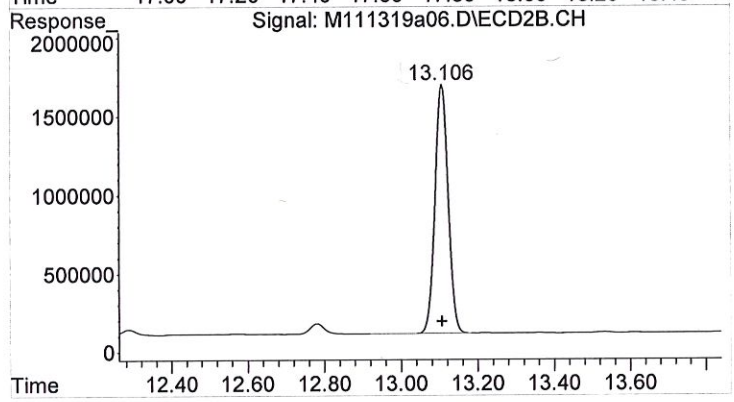
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 10.757 min
Response: 0
Conc: N.D.



#12 dcb

R.T.: 17.733 min
Delta R.T.: 0.000 min
Response: 612661
Conc: 52.83 pg/uL



#12 dcb

R.T.: 13.107 min
Delta R.T.: 0.000 min
Response: 1579502
Conc: 38.69 pg/uL

Sample.....: 19434301
Data File....: M120519a04.D
Project.....: OCE-009E
Matrix.....: 42 - Wipe
Analyzed.....: 12/05/2019 11:31
Type.....: 0
Additional Info..: SKY Valley PCB Wipes 10mL fv
DP Method Path...: J:\Organics\Minerva\Methods\M120419PCB1242.M
Datafile Path....: J:\Organics\Minerva\MINERVA 2019 DATA\M120519PCBDW\M120519a04.D

Date Prepped...: 11/4/2019
ICAL Date.....: 12/04/2019
Prep Method....: 3580A
Analysis Method: 8082A
Quant Column...: 1

Prepped By.: DWOOD
Analyst....: DWOOD
CID.....: N1
Acq. Method: M012116PCB2B.M
ASEQ Number: 4

Instrument.....: Minerva
Amount Extracted.: 10 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	25	2500	tmx (1)	-	-	-				
7	25	2500	dcb	11.31	11.31	226744				
9	25	2500	tmx (1) #2	-	-	-				
15	25	2500	dcb #2	8.20	8.21	60249				
2	25	2500	1242 -1	9.79	9.79	32565	-	85	0.85 ug	
3	25	2500	1242-2	10.10	10.10	55917	-	114	1.1 ug	
4	25	2500	1242-3	10.18	10.18	22279	-	76	0.76 ug	
5	25	2500	1242-4	10.75	10.76	48281	-	158	1.6 ug	
6	25	2500	1242-5	10.81	10.82	105103	-	202	2.0 ug	
10	25	2500	1242 -1 #2	7.04	7.04	152855	-	107	1.1 ug	
11	25	2500	1242-2 #2	7.15	7.15	79301	-	90	0.90 ug	
12	25	2500	1242-3 #2	7.21	7.21	51893	-	74	0.74 ug	
13	25	2500	1242-4 #2	7.50	7.51	101934	-	142	1.4 ug	
14	25	2500	1242-5 #2	7.89	7.89	203813	-	290	2.9 ug	

CAS#	Name	Avg	Unit	n	%RSD	Column RPD[2]	
53469219	1242 Column 1	1.3	ug	5	42 %		Results will be reported from Column 1
53469219	1242 Column 2	1.4	ug	5	62 %	10 %	

[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 2019 DATA\M120519PCBDW\
Data File : M120519a04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Dec 2019 11:31 am
Operator : DWOOD
Sample : 19434301
Misc : SKY Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events3.e
Quant Time: Dec 09 13:48:50 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Wed Dec 04 16:34:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL	
	System Monitoring Compounds							
1)	S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.	
7)	S2 dcb	11.308	8.204	226744	60249	1352.951	1171.859	
	Target Compounds							
2)	L1 1242 -1	9.792	7.037	32565	152855	85.400	106.661	
3)	L1 1242-2	10.101	7.151	55917	79301	113.547	89.763	
4)	L1 1242-3	10.179	7.209	22279	51893	75.670	74.184	
5)	L1 1242-4	10.753	7.504	48281	101934	158.107	141.841	
6)	L1 1242-5	10.810	7.891	105103	203813	202.349	289.814	#
	Sum 1242 -1			264144	589797	635.073	702.263	
	Average 1242 -1					127.015	140.453	

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

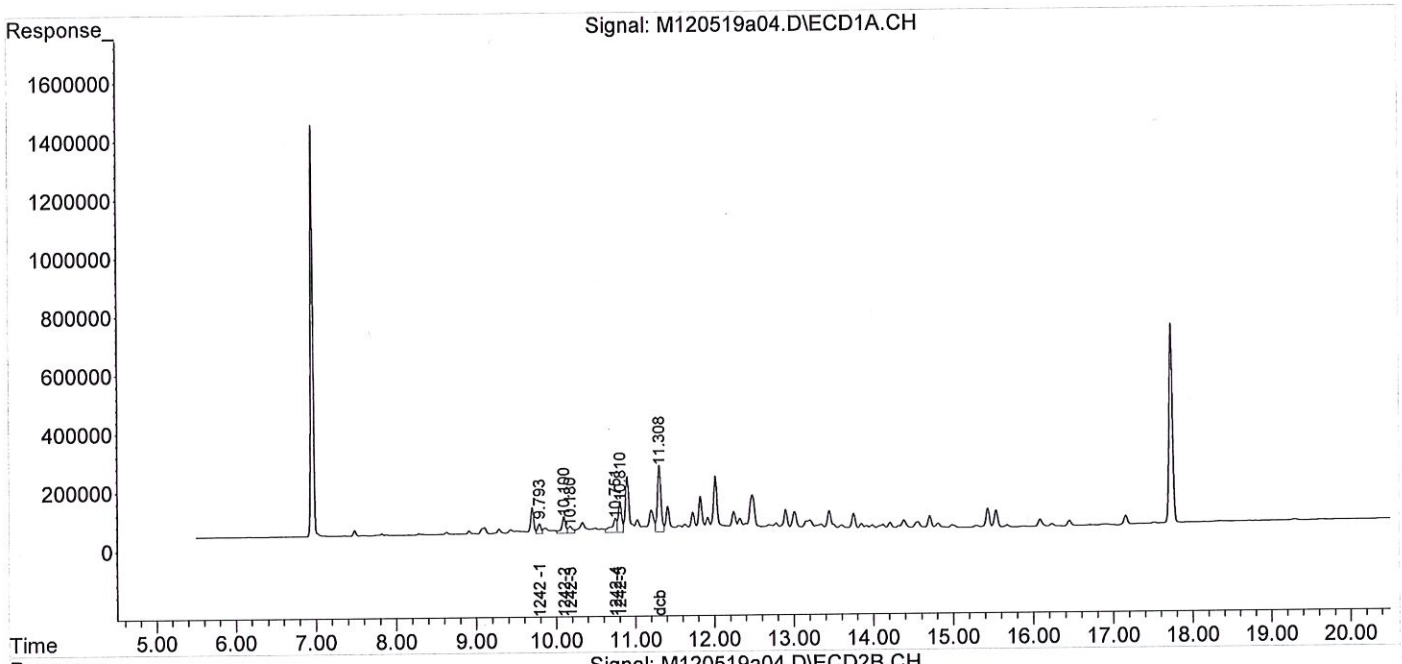
12/9/19

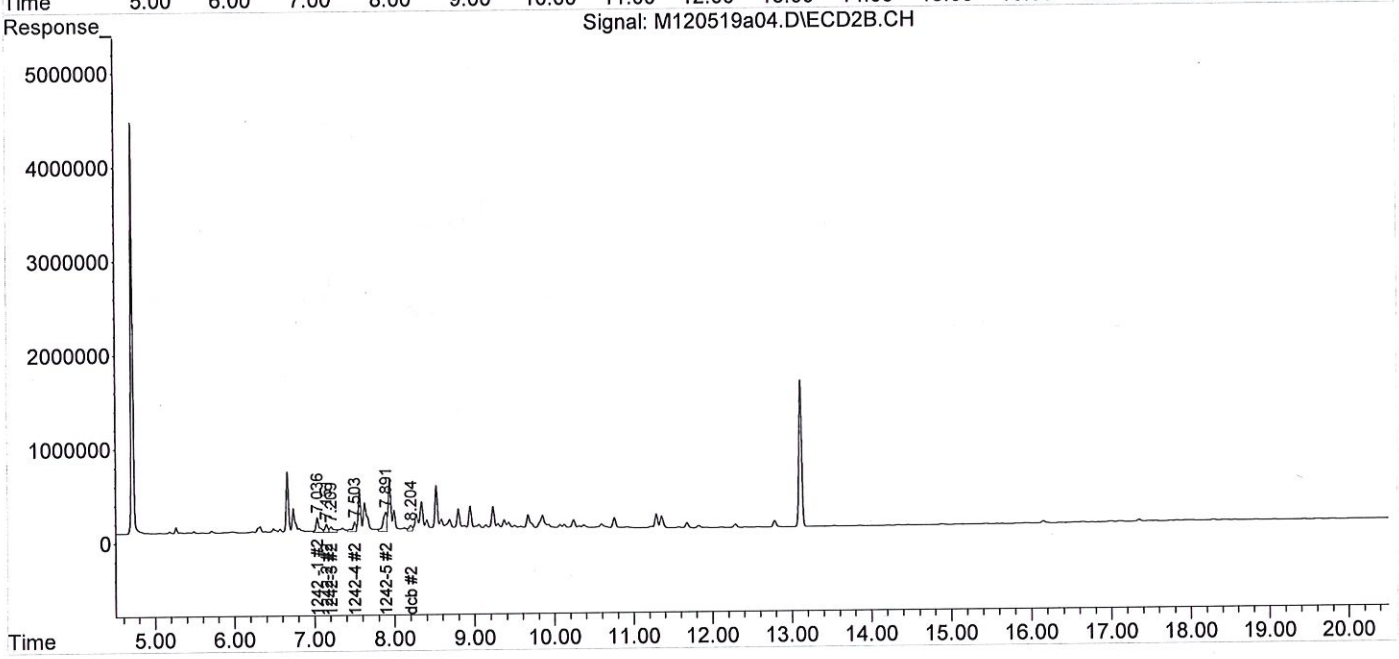
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M120519PCBDW\
Data File : M120519a04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Dec 2019 11:31 am
Operator : DWOOD
Sample : 19434301
Misc : SKY Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events3.e
Quant Time: Dec 09 13:48:50 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Wed Dec 04 16:34:32 2019
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





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M120519PCBDW\
Data File : M120519a04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Dec 2019 11:31 am
Operator : DWOOD
Sample : 19434301
Misc : SKY Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events3.e
Quant Time: Dec 09 13:48:50 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Wed Dec 04 16:34:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL	
	System Monitoring Compounds							
1)	S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.	
7)	S2 dcb	11.308	8.204	226744	60249	1352.951	1171.859	
	Target Compounds							
2)	L1 1242 -1	9.792	7.037	32565	152855	85.400	106.661	
3)	L1 1242-2	10.101	7.151	55917	79301	113.547	89.763	
4)	L1 1242-3	10.179	7.209	22279	51893	75.670	74.184	
5)	L1 1242-4	10.753	7.504	48281	101934	158.107	141.841	
6)	L1 1242-5	10.810	7.891	105103	203813	202.349	289.814	#
	Sum 1242 -1			264144	589797	635.073	702.263	
	Average 1242 -1					127.015	140.453	

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

MW
12/9/19

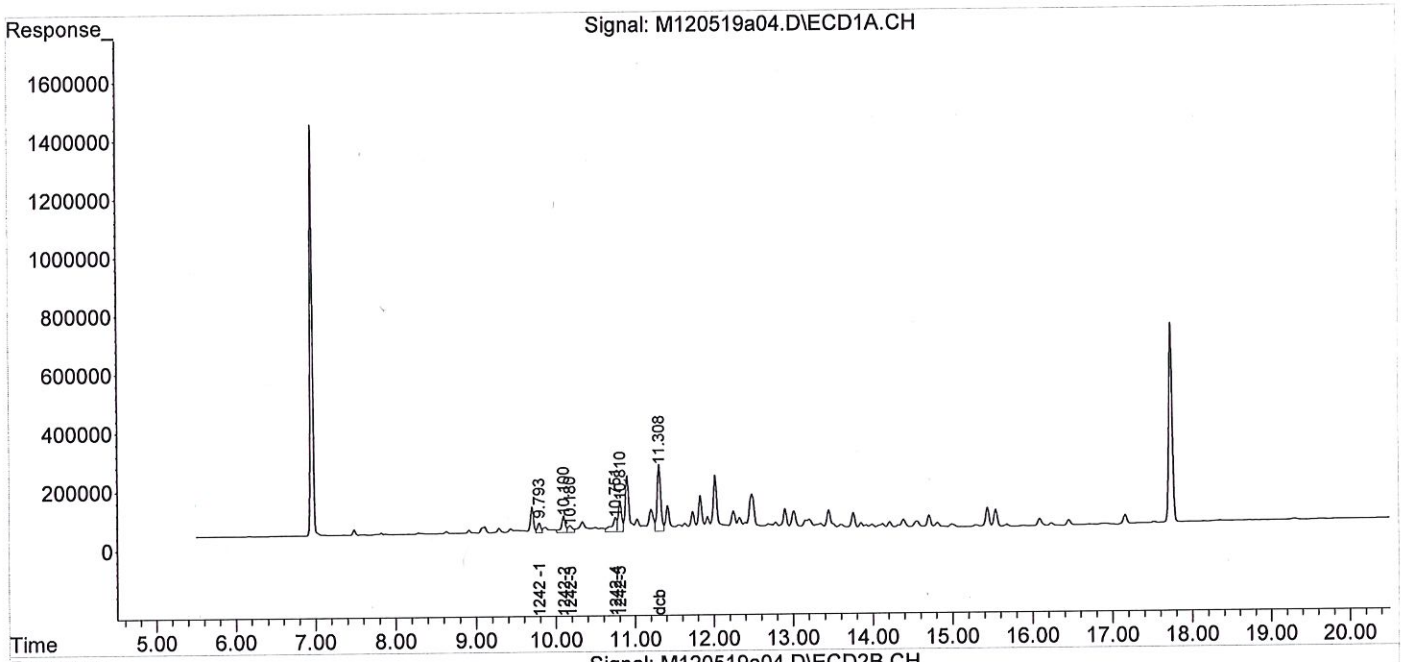
Quantitation Report (Not Reviewed)

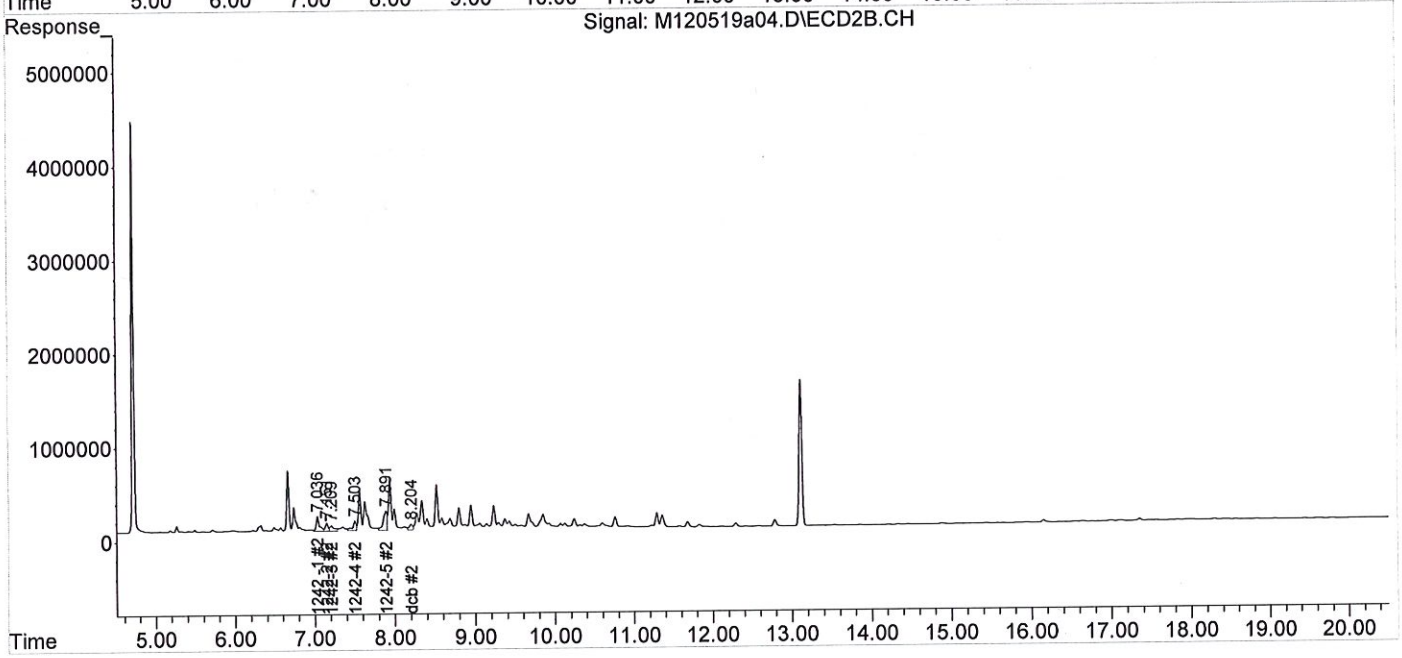
Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M120519PCBDW\
Data File : M120519a04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Dec 2019 11:31 am
Operator : DWOOD
Sample : 19434301
Misc : SKY Valley PCB Wipes 10mL fv
ALS Vial : 0 (Sig #1); 4 (Sig #2) Sample Multiplier: 1

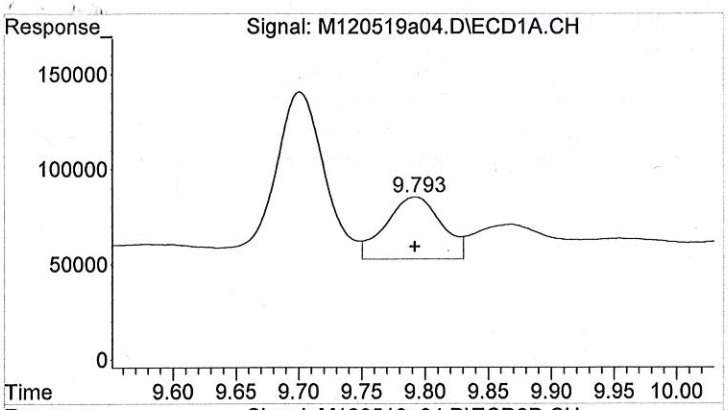
Integration File signal 1: events.e
Integration File signal 2: events3.e
Quant Time: Dec 09 13:48:50 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Wed Dec 04 16:34:32 2019
Response via : Initial Calibration
Integrator: ChemStation 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

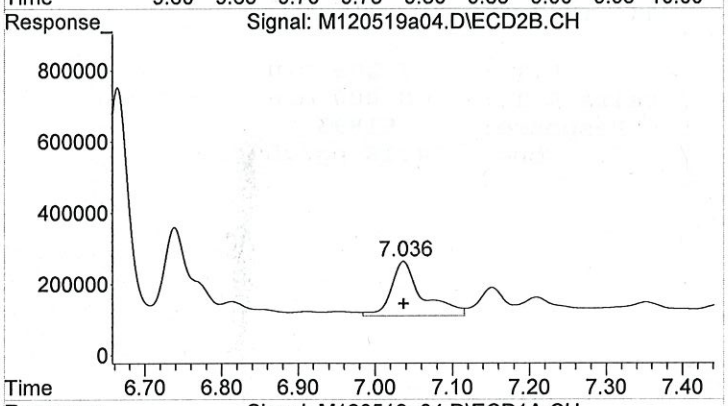






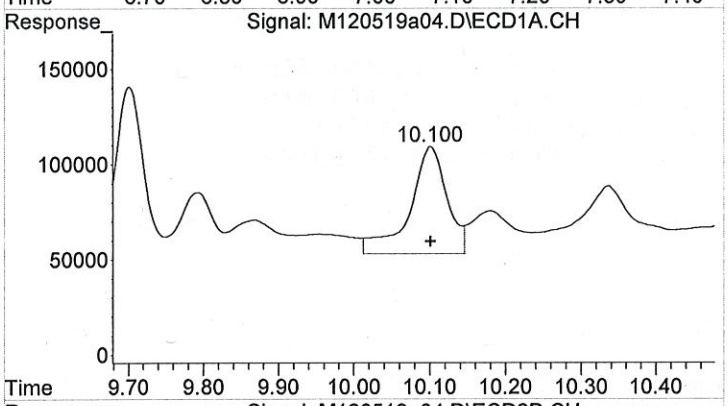
#2 1242 -1

R.T.: 9.792 min
Delta R.T.: 0.000 min
Response: 32565
Conc: 85.40 pg/uL



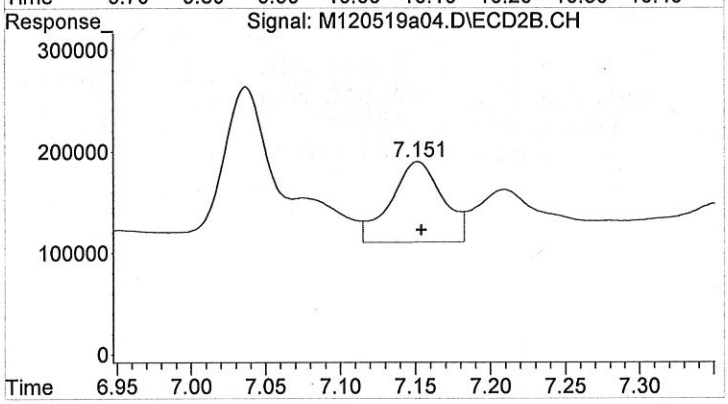
#2 1242 -1

R.T.: 7.037 min
Delta R.T.: 0.000 min
Response: 152855
Conc: 106.66 pg/uL



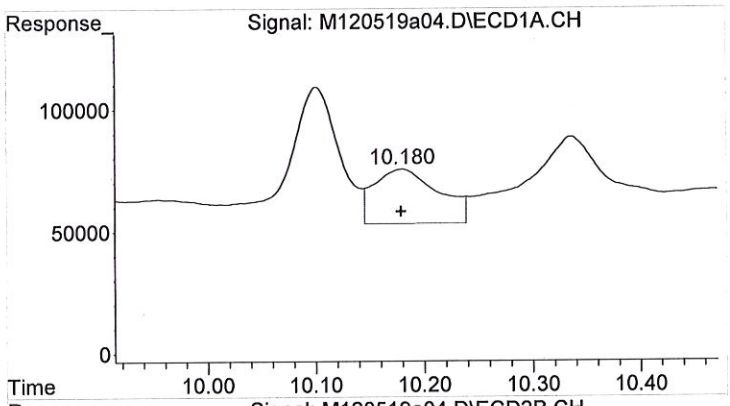
#3 1242-2

R.T.: 10.101 min
Delta R.T.: 0.000 min
Response: 55917
Conc: 113.55 pg/uL



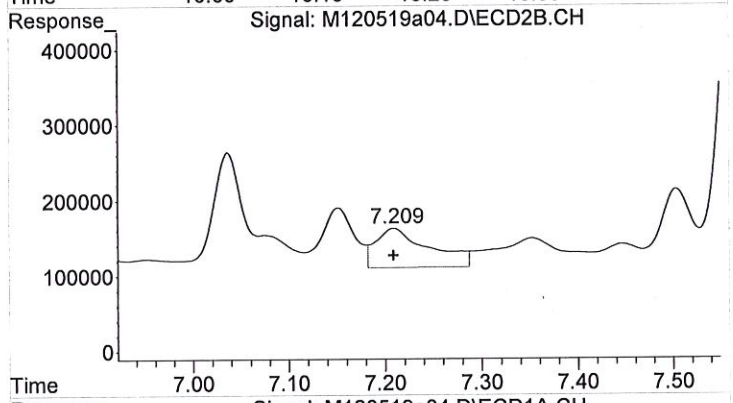
#3 1242-2

R.T.: 7.151 min
Delta R.T.: -0.003 min
Response: 79301
Conc: 89.76 pg/uL



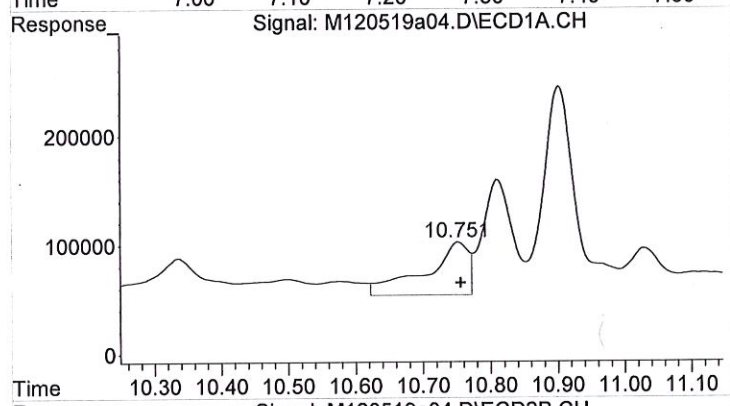
#4 1242-3

R.T.: 10.179 min
Delta R.T.: 0.000 min
Response: 22279
Conc: 75.67 pg/uL



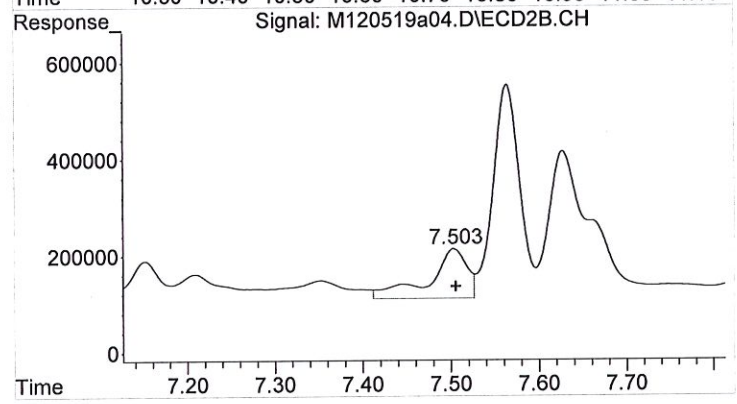
#4 1242-3

R.T.: 7.209 min
Delta R.T.: 0.000 min
Response: 51893
Conc: 74.18 pg/uL



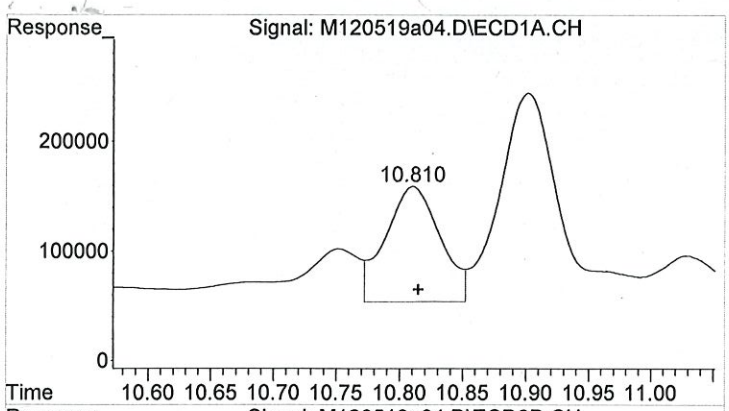
#5 1242-4

R.T.: 10.753 min
Delta R.T.: -0.003 min
Response: 48281
Conc: 158.11 pg/uL



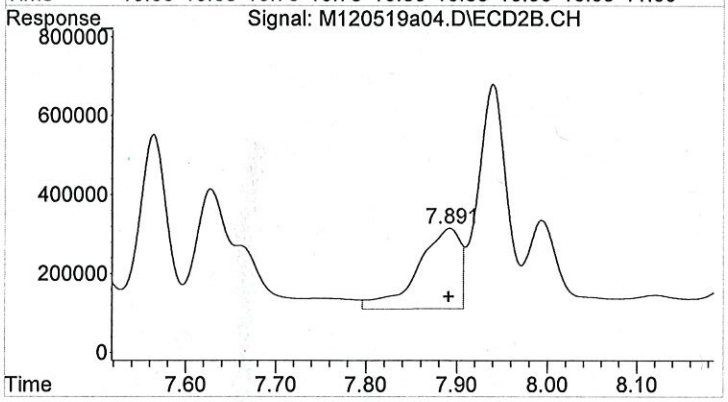
#5 1242-4

R.T.: 7.504 min
Delta R.T.: -0.002 min
Response: 101934
Conc: 141.84 pg/uL



#6 1242-5

R.T.: 10.810 min
Delta R.T.: -0.005 min
Response: 105103
Conc: 202.35 pg/uL



#6 1242-5

R.T.: 7.891 min
Delta R.T.: 0.000 min
Response: 203813
Conc: 289.81 pg/uL

Sample.....: 19434302
Data File....: M111319a21.D
Project.....: OCE-009E
Matrix.....: 40 - Soil
Analyzed.....: 11/13/2019 19:07
Type.....: 0

Date Prepped...: 11/7/2019
ICAL Date.....: 11/12/2019
Prep Method....: 3541
Analysis Method: 8082A
Quant Column...: 1

Prepped By.: DWOOD
Analyst....: DWOOD
CID.....: N1
Acq. Method: M012116PCB2B.M
ASEQ Number: 21

Instrument.....: Minerva
Amount Extracted.: 1.86 g
Percent Solids...: 100
Final Volume.....: 10 mL
Dilution.....: 1x D0

Additional Info..: SKY Valley PCB Solid 1.86g 2mL fv
DP Method Path...: J:\Organics\Minerva\Methods\M111219PCB1260.M
Datafile Path....: J:\Organics\Minerva\MINERVA 2019 DATA\M111319PCBDW\M111319a21.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)	6.96	6.96	487718		20	17	85	%Rec >0	
12	2.5	250	dcb	17.75	17.73	204888		20	17	87	%Rec >0	
14	2.5	250	tmx (1) #2	4.72	4.71	1392100		20	15	77	%Rec >0	
25	2.5	250	dcb #2	13.14	13.11	371020		20	8.9	45	%Rec >0	
2	25	2500	1016 -1	-	-	-	d	-	-	130	ug/kg (RL)	U
3	25	2500	1016-2	-	-	-	d	-	-	130	ug/kg (RL)	U
4	25	2500	1016-3	-	-	-	d	-	-	130	ug/kg (RL)	U
5	25	2500	1016-4	-	-	-	d	-	-	130	ug/kg (RL)	U
6	25	2500	1016-5	-	-	-	d	-	-	130	ug/kg (RL)	U
7	25	2500	1260-1	-	-	-	d	-	-	130	ug/kg (RL)	U
8	25	2500	1260-2	-	-	-	d	-	-	130	ug/kg (RL)	U
9	25	2500	1260-3	-	-	-	d	-	-	130	ug/kg (RL)	U
10	25	2500	1260-4	-	-	-	d	-	-	130	ug/kg (RL)	U
11	25	2500	1260-5	-	-	-	d	-	-	130	ug/kg (RL)	U
15	25	2500	1016 -1 #2	-	-	-	d	-	-	130	ug/kg (RL)	U
16	25	2500	1016-2 #2	-	-	-	d	-	-	130	ug/kg (RL)	U
17	25	2500	1016-3 #2	-	-	-	d	-	-	130	ug/kg (RL)	U
18	25	2500	1016-4 #2	-	-	-	d	-	-	130	ug/kg (RL)	U
19	25	2500	1016-5 #2	-	-	-	d	-	-	130	ug/kg (RL)	U
20	25	2500	1260-1 #2	-	-	-	d	-	-	130	ug/kg (RL)	U
21	25	2500	1260-2 #2	-	-	-	d	-	-	130	ug/kg (RL)	U
22	25	2500	1260-3 #2	-	-	-	d	-	-	130	ug/kg (RL)	U
23	25	2500	1260-4 #2	-	-	-	d	-	-	130	ug/kg (RL)	U
24	25	2500	1260-5 #2	-	-	-	d	-	-	130	ug/kg (RL)	U

CAS#	Name	Avg	Unit	n	%RSD	Column RPD[2]
12674112	1016 Column 1	130	ug/kg (RL)	0	NA	Results will be reported from Column 1
12674112	1016 Column 2	130	ug/kg (RL)	0	NA	
11096825	1260 Column 1	130	ug/kg (RL)	0	NA	
11096825	1260 Column 2	130	ug/kg (RL)	0	NA	

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

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

Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M111319PCBDW\
Data File : M111319a21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2019 7:07 pm
Operator : DWOOD
Sample : 19434302
Misc : SKY Valley PCB Solid 1.86g 2mL fv
ALS Vial : 0 (Sig #1); 19 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: EVENTS1.E
Quant Time: Dec 06 12:32:29 2019
Quant Method : J:\Organics\Minerva\Methods\M111219PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Nov 12 15:48:19 2019
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)	6.959	4.715	487718	1392103	16.986	15.397
12) S2 dcb	17.749	13.141	204888	371020	17.346	8.901 #
Target Compounds						
2) L1 1016 -1	0.000	0.000	0	0	N.D. d	N.D. d
3) L1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
4) L1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
5) L1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
6) L1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016 -1			0	0	N.D.	N.D.
Average 1016 -1					0.000	0.000
7) L2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
8) L2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
9) L2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
10) L2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
11) L2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000

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

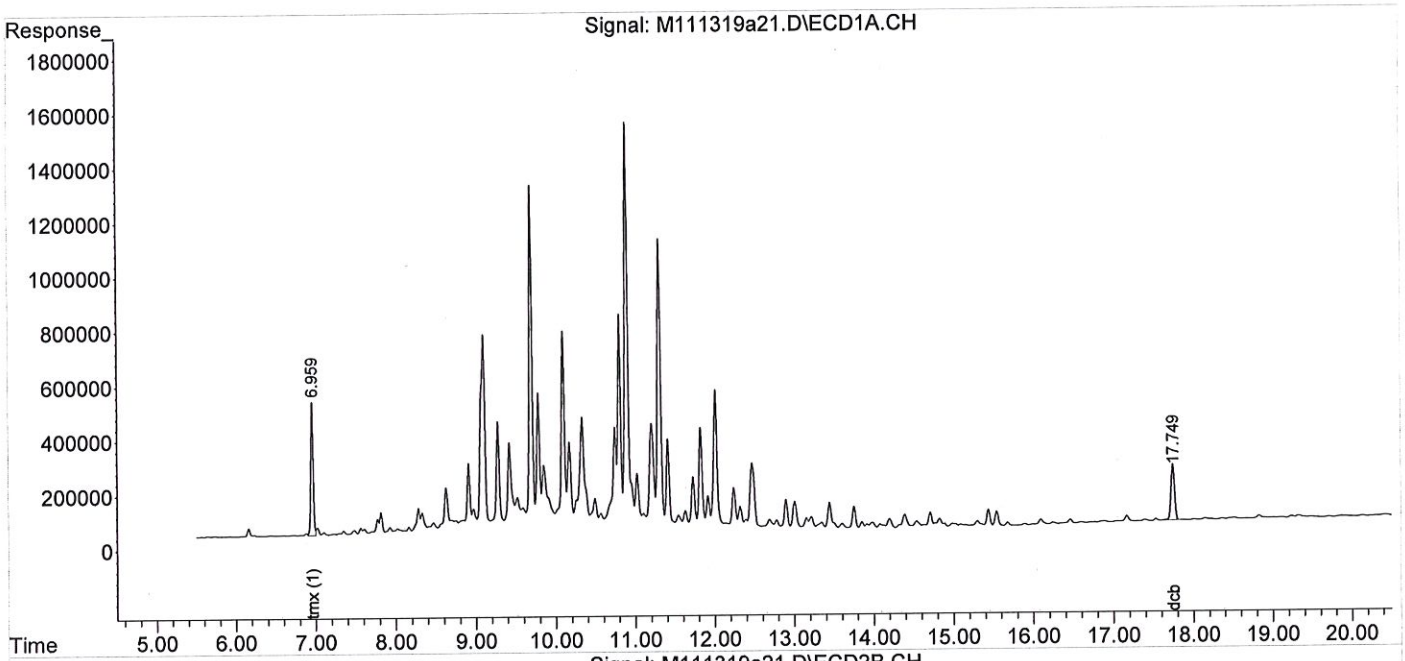
lw
12/6/19

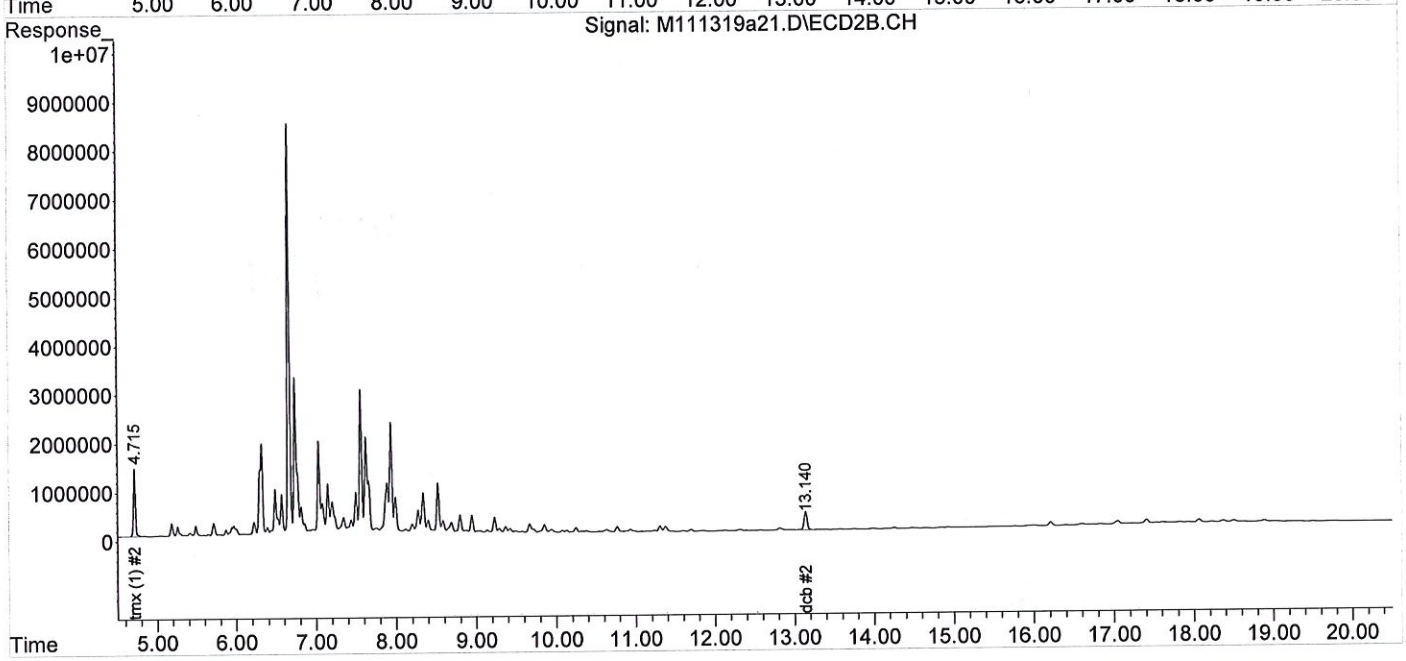
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M111319PCBDW\
Data File : M111319a21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2019 7:07 pm
Operator : DWOOD
Sample : 19434302
Misc : SKY Valley PCB Solid 1.86g 2mL fv
ALS Vial : 0 (Sig #1); 19 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: EVENTS1.E
Quant Time: Dec 06 12:32:29 2019
Quant Method : J:\Organics\Minerva\Methods\M111219PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Nov 12 15:48:19 2019
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





Quantitation Report (Not Reviewed)

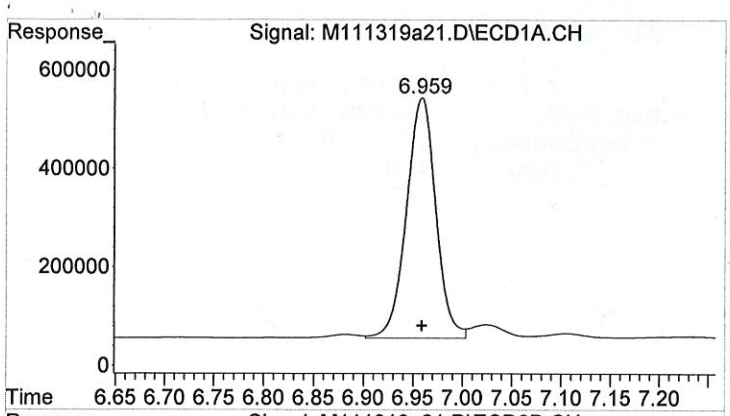
Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M111319PCBDW\
Data File : M111319a21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Nov 2019 7:07 pm
Operator : DWOOD
Sample : 19434302
Misc : SKY Valley PCB Solid 1.86g ~~2~~ 10 mL fv
ALS Vial : 0 (Sig #1); 19 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS1.E
Integration File signal 2: EVENTS1.E
Quant Time: Nov 14 10:09:42 2019
Quant Method : J:\Organics\Minerva\Methods\M111219PCB1260.M
Quant Title : AROCLOR 1016/1260 ANALYSIS
QLast Update : Tue Nov 12 15:48:19 2019
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

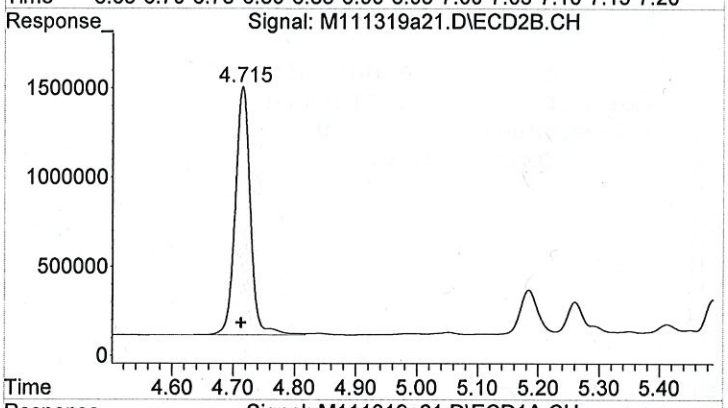
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL	
	System Monitoring Compounds							
1)	S2 tmx (1)	6.959	4.715	487718	1392103	16.986	15.397	
12)	S2 dcb	17.749	13.141	204888	371020	17.346	8.901	#
	Target Compounds							
2)	L1 1016 -1	7.568	5.260	23027	186815	46.616	122.843	#
3)	L1 1016-2	8.628	5.714	165885	253797	295.726	94.510	#
4)	L1 1016-3	9.281	6.317	406363	1878152	568.191	541.727	
5)	L1 1016-4	9.424	6.487	329503	946057	710.230	488.519	#
6)	L1 1016-5	9.696	6.569	1273859	838917	2716.476	594.494	#
	Sum 1016 -1			2198638	4103738	4337.238	1842.092	
	Average 1016 -1					867.448	368.418	
7)	L2 1260-1	12.476	8.798	242368	379433	253.232	120.202	#
8)	L2 1260-2	12.899	9.233	106482	321225	92.221	66.371	#
9)	L2 1260-3	13.447	9.672	94132	181882	75.675	46.101	#
10)	L2 1260-4	14.711	10.248	52871	92100	36.243	36.962	
11)	L2 1260-5	15.301	10.770	18024	104527	25.506	21.544	
	Sum 1260-1			513878	1079167	482.877	291.181	
	Average 1260-1					96.575	58.236	

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



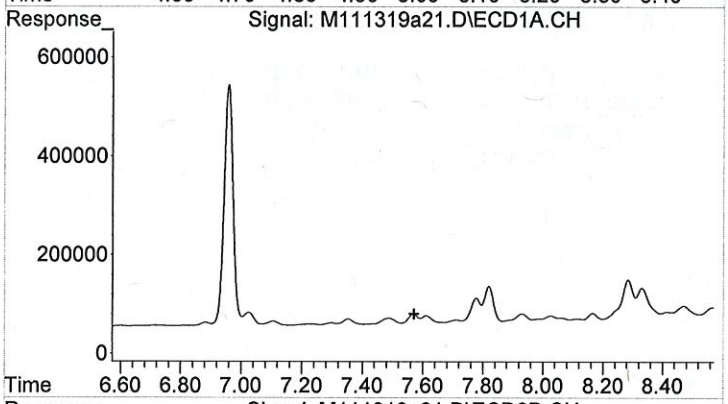
#1 tmx (1)

R.T.: 6.959 min
Delta R.T.: 0.000 min
Response: 487718
Conc: 16.99 pg/uL



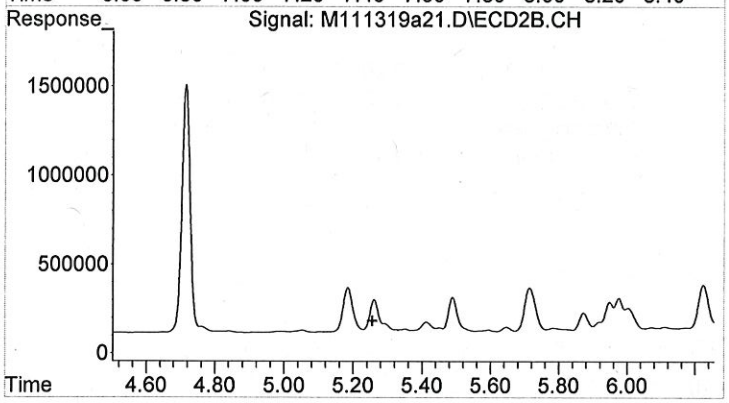
#1 tmx (1)

R.T.: 4.715 min
Delta R.T.: 0.002 min
Response: 1392103
Conc: 15.40 pg/uL



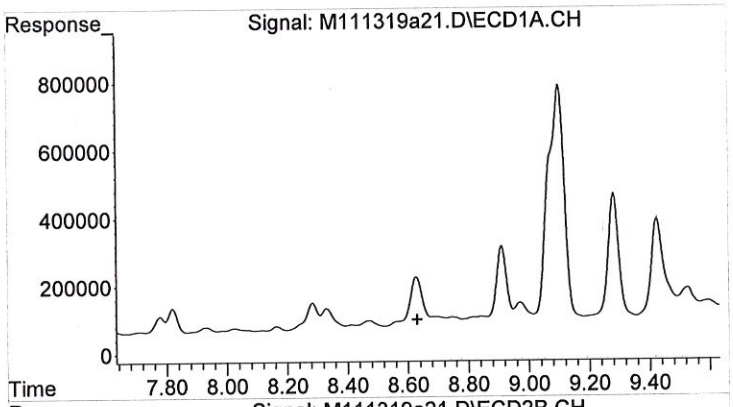
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 7.571 min
Response: 0
Conc: N.D.



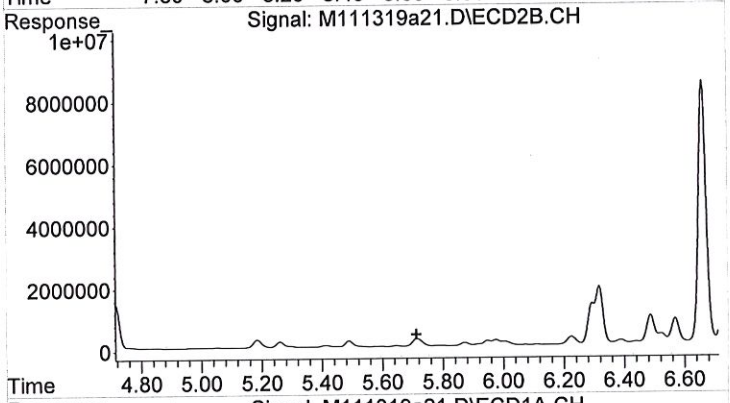
#2 1016 -1

R.T.: 0.000 min
Exp R.T. : 5.256 min
Response: 0
Conc: N.D.



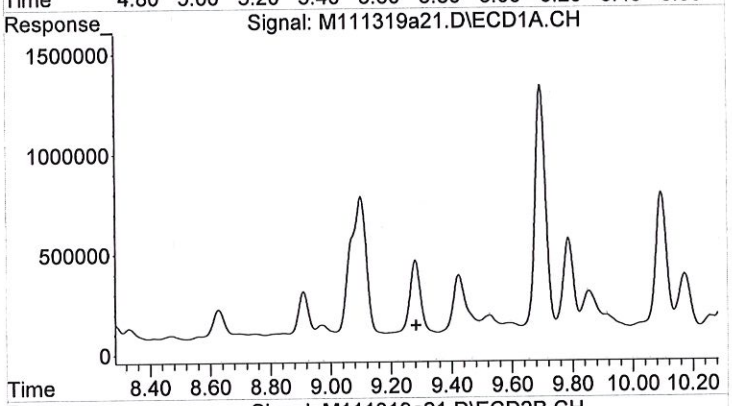
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 8.631 min
Response: 0
Conc: N.D.



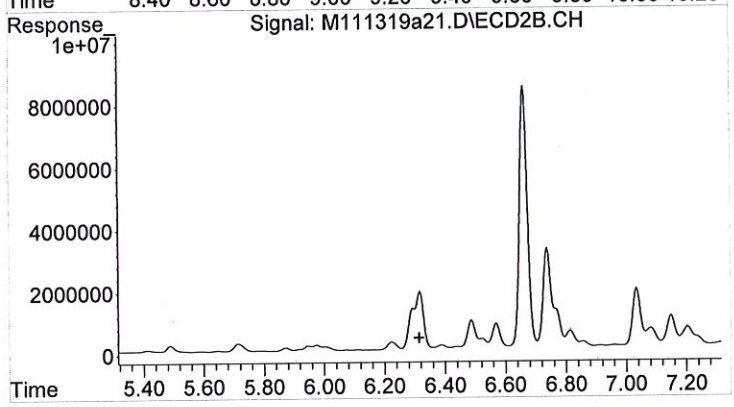
#3 1016-2

R.T.: 0.000 min
Exp R.T. : 5.713 min
Response: 0
Conc: N.D.



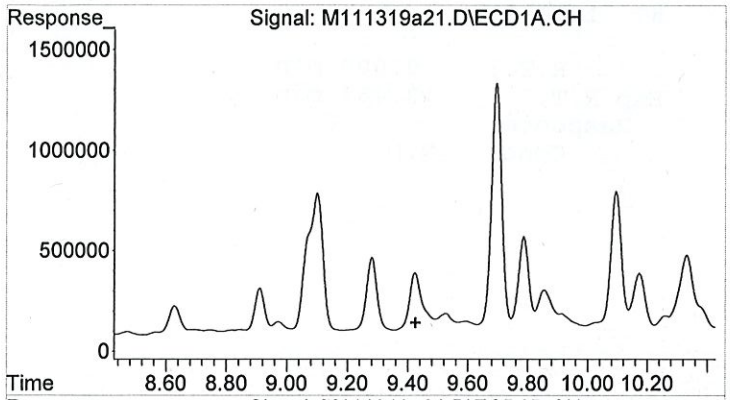
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 9.284 min
Response: 0
Conc: N.D.



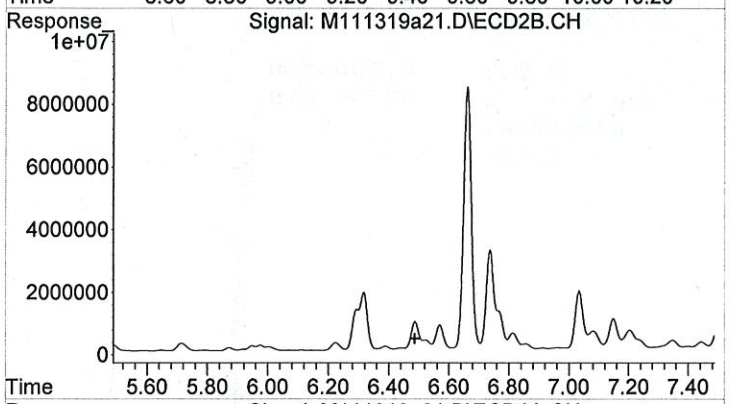
#4 1016-3

R.T.: 0.000 min
Exp R.T. : 6.315 min
Response: 0
Conc: N.D.



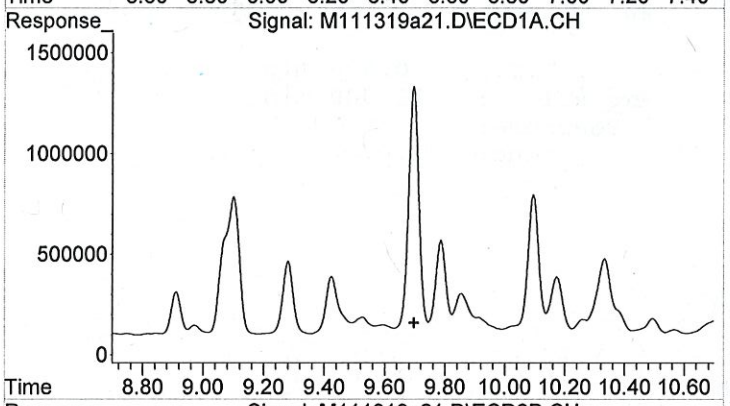
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 9.427 min
Response: 0
Conc: N.D.



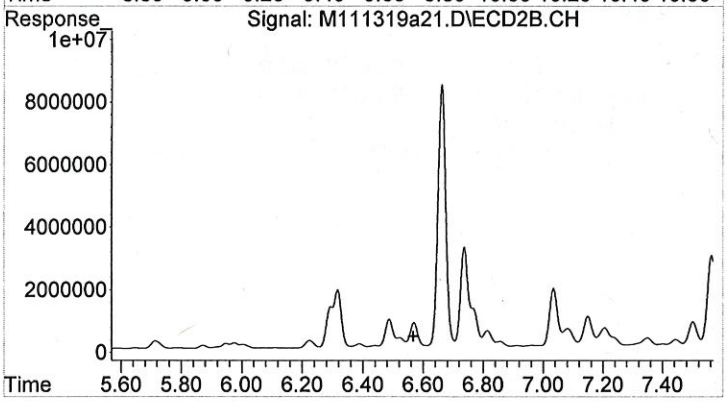
#5 1016-4

R.T.: 0.000 min
Exp R.T. : 6.487 min
Response: 0
Conc: N.D.



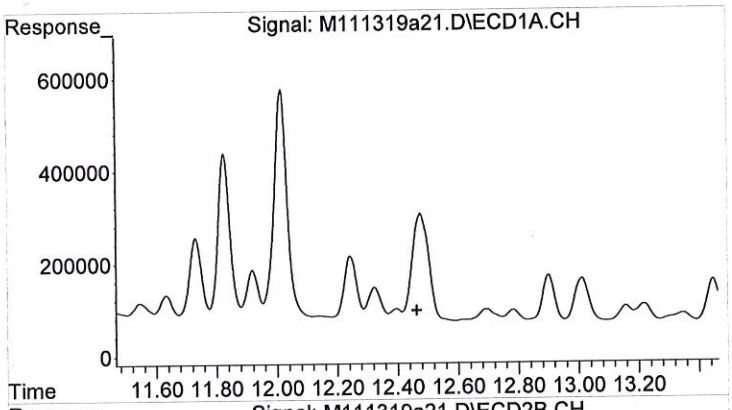
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 9.698 min
Response: 0
Conc: N.D.



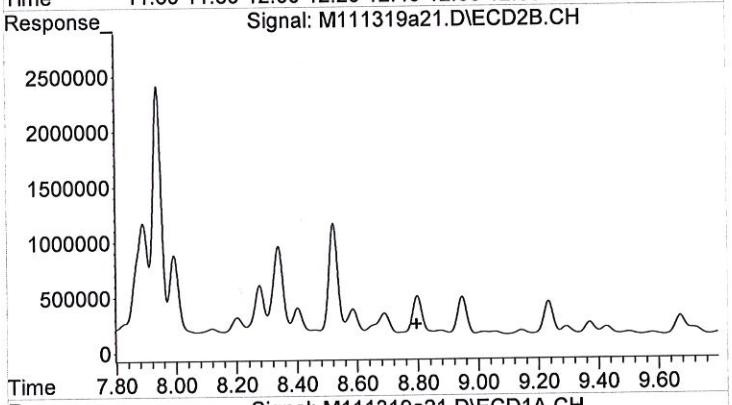
#6 1016-5

R.T.: 0.000 min
Exp R.T. : 6.568 min
Response: 0
Conc: N.D.



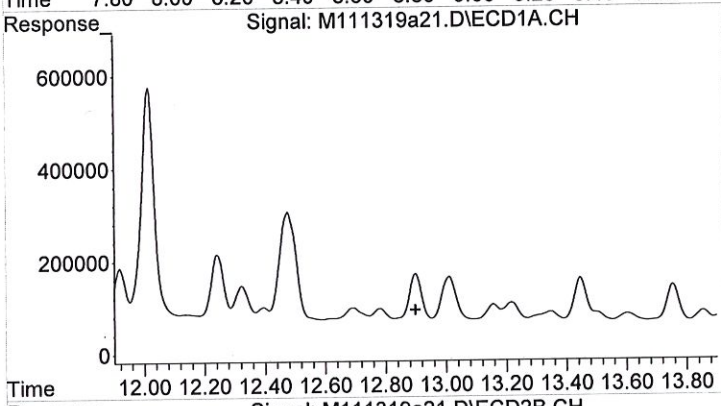
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 12.464 min
Response: 0
Conc: N.D.



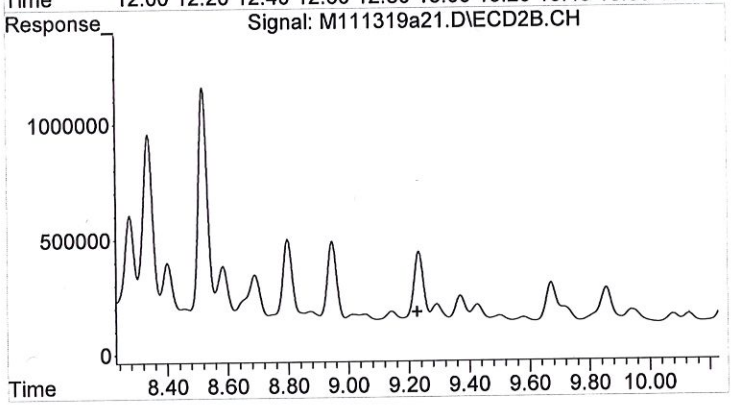
#7 1260-1

R.T.: 0.000 min
Exp R.T. : 8.796 min
Response: 0
Conc: N.D.



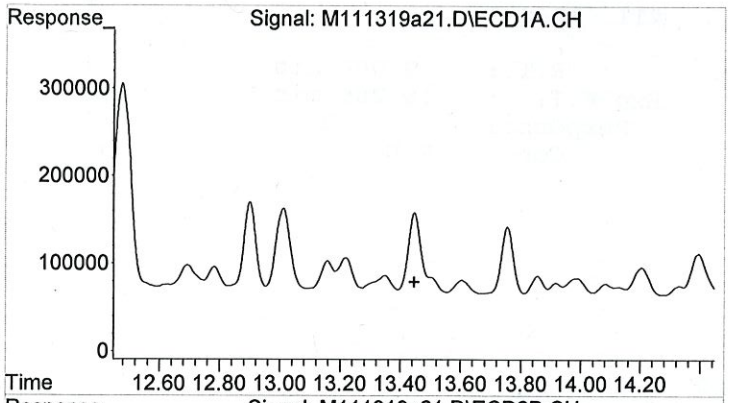
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 12.900 min
Response: 0
Conc: N.D.



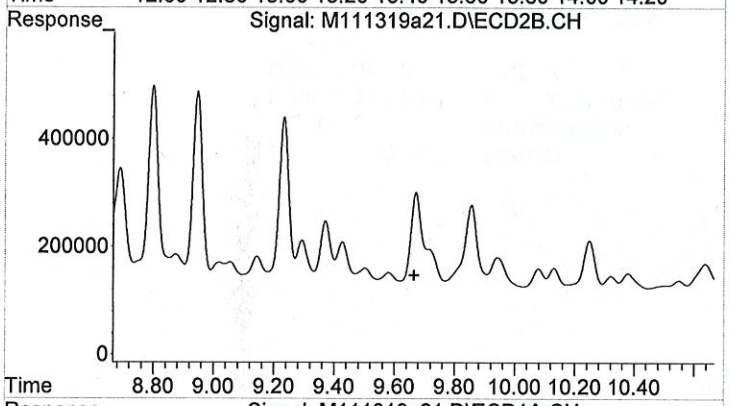
#8 1260-2

R.T.: 0.000 min
Exp R.T. : 9.228 min
Response: 0
Conc: N.D.



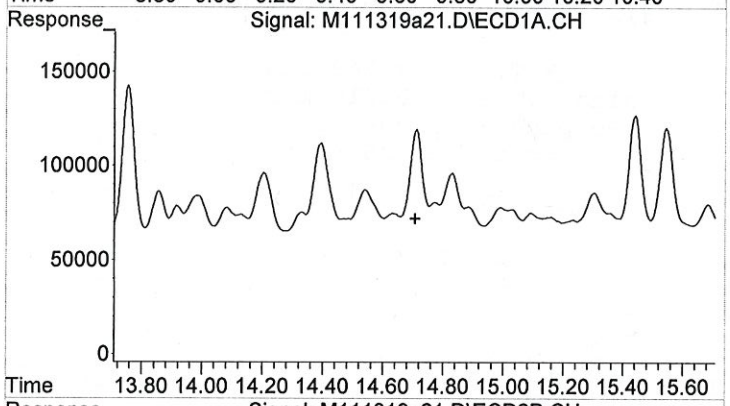
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 13.447 min
Response: 0
Conc: N.D.



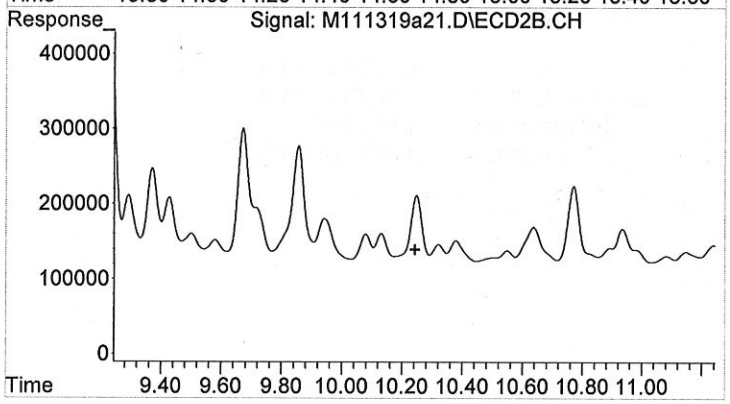
#9 1260-3

R.T.: 0.000 min
Exp R.T. : 9.666 min
Response: 0
Conc: N.D.



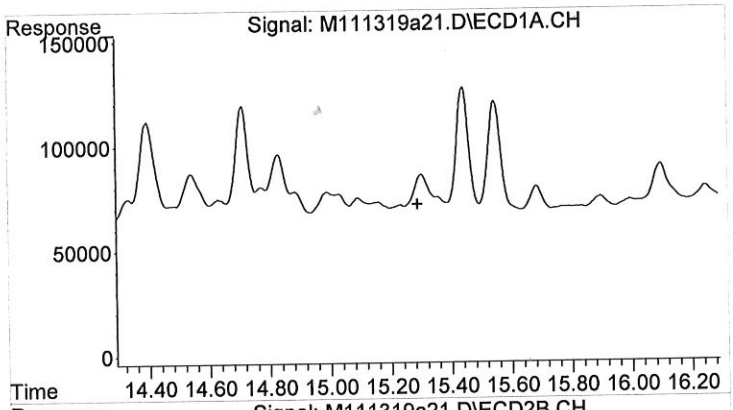
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 14.708 min
Response: 0
Conc: N.D.



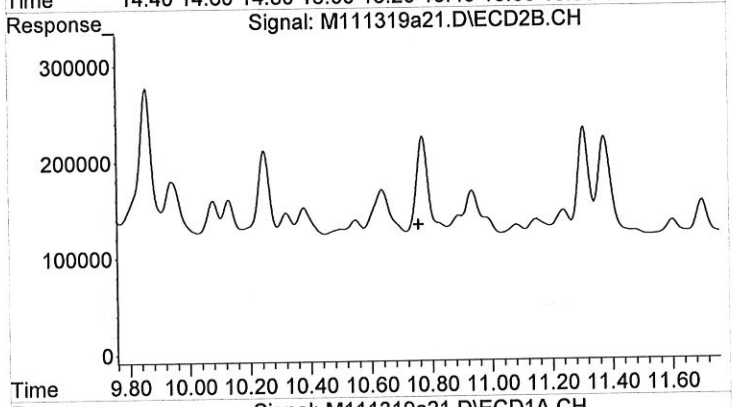
#10 1260-4

R.T.: 0.000 min
Exp R.T. : 10.244 min
Response: 0
Conc: N.D.



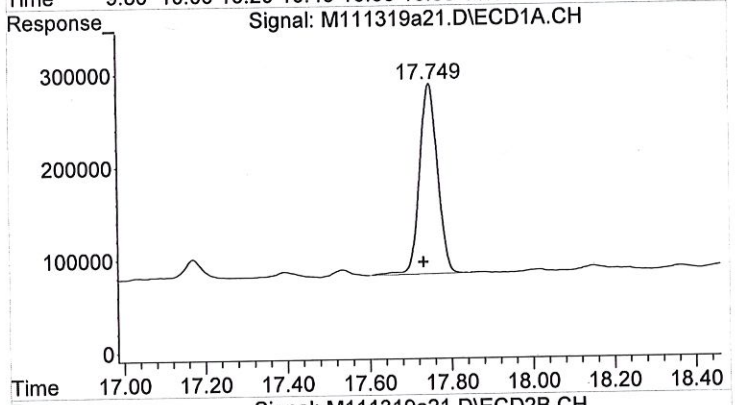
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 15.289 min
Response: 0
Conc: N.D.



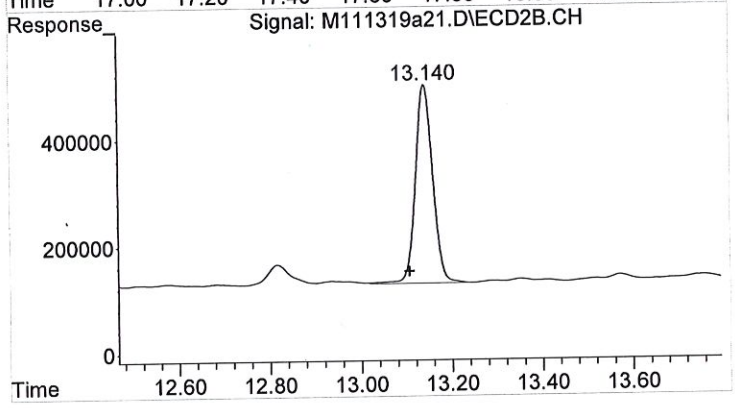
#11 1260-5

R.T.: 0.000 min
Exp R.T. : 10.757 min
Response: 0
Conc: N.D.



#12 dcb

R.T.: 17.749 min
Delta R.T.: 0.016 min
Response: 204888
Conc: 17.35 pg/uL



#12 dcb

R.T.: 13.141 min
Delta R.T.: 0.034 min
Response: 371020
Conc: 8.90 pg/uL

Sample.....: 19434302
Data File....: M120519a05.D
Project.....: OCE-009E
Matrix.....: 40 - Soil
Analyzed.....: 12/05/2019 11:56
Type.....: 0

Date Prepped...: 11/7/2019
ICAL Date.....: 12/04/2019
Prep Method....: 3541
Analysis Method: 8082A
Quant Column...: 1

Prepped By.: DWOOD
Analyst....: DWOOD
CID.....: N1
Acq. Method: M012116PCB2B.M
ASEQ Number: 5

Instrument.....: Minerva
Amount Extracted.: 1.86 g
Percent Solids...: 100
Final Volume.....: 10 mL
Dilution.....: 1x D0

Additional Info..: SKY Valley PCB Solid 1.86g 10mL fv
DP Method Path...: J:\Organics\Minerva\Methods\M120419PCB1242.M
Datafile Path....: J:\Organics\Minerva\MINERVA 2019 DATA\M120519PCBDW\M120519a05.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	25	2500	tmx (1)	-	-	-					
7	25	2500	dcb	11.31	11.31	1160120					
9	25	2500	tmx (1) #2	-	-	-					
15	25	2500	dcb #2	8.21	8.21	188887					
2	25	2500	1242 -1	9.79	9.79	546478	-	1580	8500	ug/kg	
3	25	2500	1242-2	10.10	10.10	794312	-	1740	9300	ug/kg	
4	25	2500	1242-3	10.18	10.18	354344	-	1280	6900	ug/kg	
5	25	2500	1242-4	10.75	10.76	416596	-	1420	7600	ug/kg	
6	25	2500	1242-5	10.81	10.82	846440	-	1680	9000	ug/kg	
10	25	2500	1242 -1 #2	7.04	7.04	1894210	-	1370	7400	ug/kg	
11	25	2500	1242-2 #2	7.15	7.15	1025060	-	1180	6400	ug/kg	
12	25	2500	1242-3 #2	7.21	7.21	658776	-	955	5100	ug/kg	
13	25	2500	1242-4 #2	7.50	7.51	837495	-	1160	6200	ug/kg	
14	25	2500	1242-5 #2	7.89	7.89	1019240	-	1450	7800	ug/kg	

CAS#	Name	Avg	Unit	n	%RSD	Column RPD[2]	
53469219	1242 Column 1	8300	ug/kg	5	12 %		Results will be reported from Column 1
53469219	1242 Column 2	6600	ug/kg	5	16 %	23 %	

[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 2019 DATA\M120519PCBDW\
Data File : M120519a05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Dec 2019 11:56 am
Operator : DWOOD
Sample : 19434302
Misc : SKY Valley PCB Solid 1.86g 10mL fv
ALS Vial : 0 (Sig #1); 5 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events3.e
Quant Time: Dec 09 13:48:54 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Wed Dec 04 16:34:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL	
	System Monitoring Compounds							
1)	S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.	
7)	S2 dcb	11.309	8.206	1160123	188887	6974.134	3681.350	#
	Target Compounds							
2)	L1 1242 -1	9.791	7.037	546478	1894211	1576.288	1373.027	
3)	L1 1242-2	10.100	7.152	794312	1025056	1737.180	1183.497	#
4)	L1 1242-3	10.177	7.207	354344	658776	1282.212	955.178	#
5)	L1 1242-4	10.752	7.504	416596	837495	1415.031	1159.881	
6)	L1 1242-5	10.810	7.892	846440	1019244	1681.190	1446.721	
	Sum 1242 -1			2958170	5434782	7691.902	6118.304	
	Average 1242 -1					1538.380	1223.661	

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

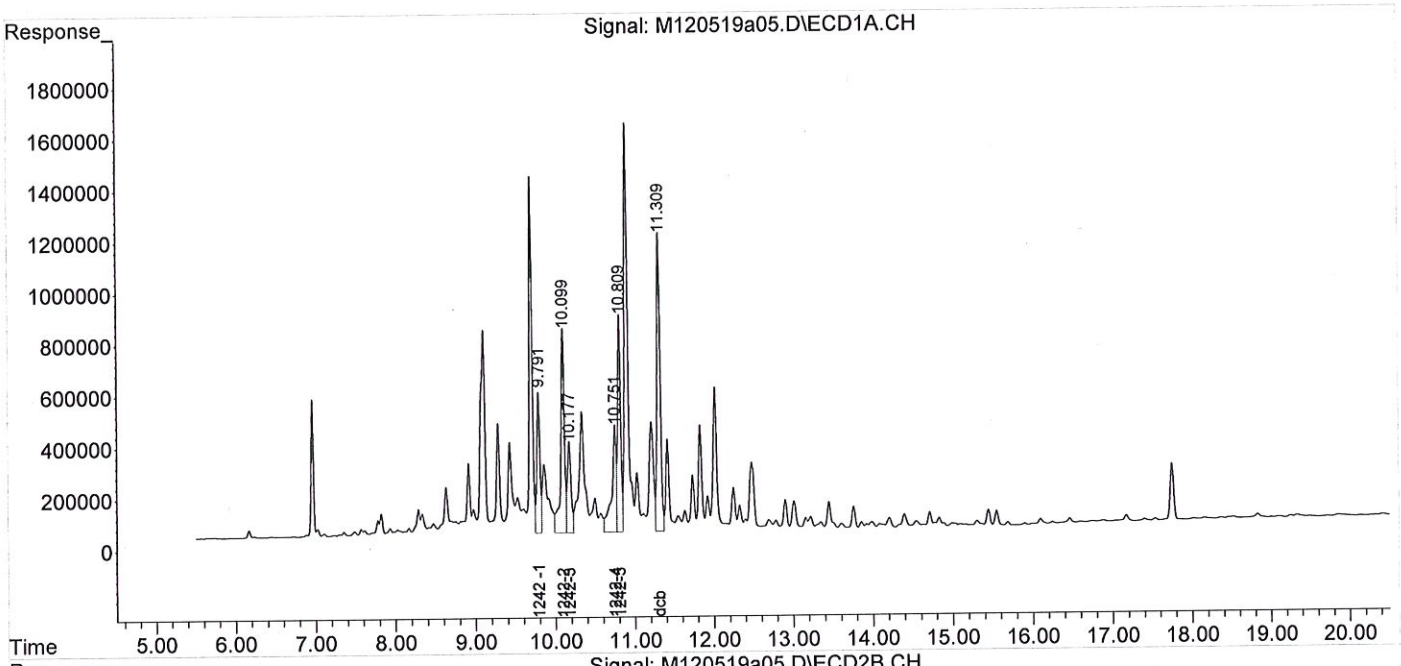
MW
12/9/19

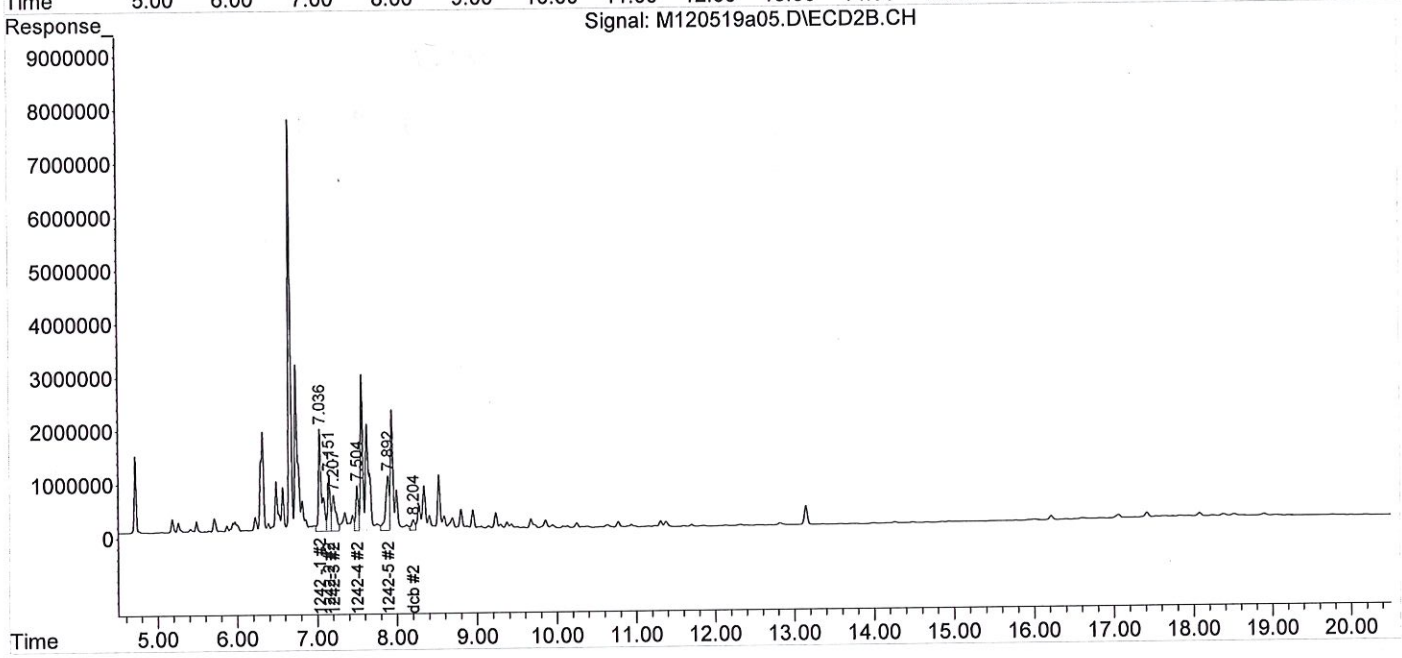
Quantitation Report (QT Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M120519PCBDW\
Data File : M120519a05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Dec 2019 11:56 am
Operator : DWOOD
Sample : 19434302
Misc : SKY Valley PCB Solid 1.86g 10mL fv
ALS Vial : 0 (Sig #1); 5 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events3.e
Quant Time: Dec 09 13:48:54 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Wed Dec 04 16:34:32 2019
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





Quantitation Report (Not Reviewed)

Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M120519PCBDW\
Data File : M120519a05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Dec 2019 11:56 am
Operator : DWOOD
Sample : 19434302
Misc : SKY Valley PCB Solid 1.86g 10mL fv
ALS Vial : 0 (Sig #1); 5 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events3.e
Quant Time: Dec 09 13:48:54 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Wed Dec 04 16:34:32 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/uL	pg/uL	
System Monitoring Compounds							
1) S2 tmx (1)	0.000	0.000	0	0	N.D.	N.D.	
7) S2 dcb	11.309	8.206	1160123	188887	6974.134	3681.350	#
Target Compounds							
2) L1 1242 -1	9.791	7.037	546478	1894211	1576.288	1373.027	
3) L1 1242-2	10.100	7.152	794312	1025056	1737.180	1183.497	#
4) L1 1242-3	10.177	7.207	354344	658776	1282.212	955.178	#
5) L1 1242-4	10.752	7.504	416596	837495	1415.031	1159.881	
6) L1 1242-5	10.810	7.892	846440	1019244	1681.190	1446.721	
Sum 1242 -1			2958170	5434782	7691.902	6118.304	
Average 1242 -1					1538.380	1223.661	

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

hw
12/9/19

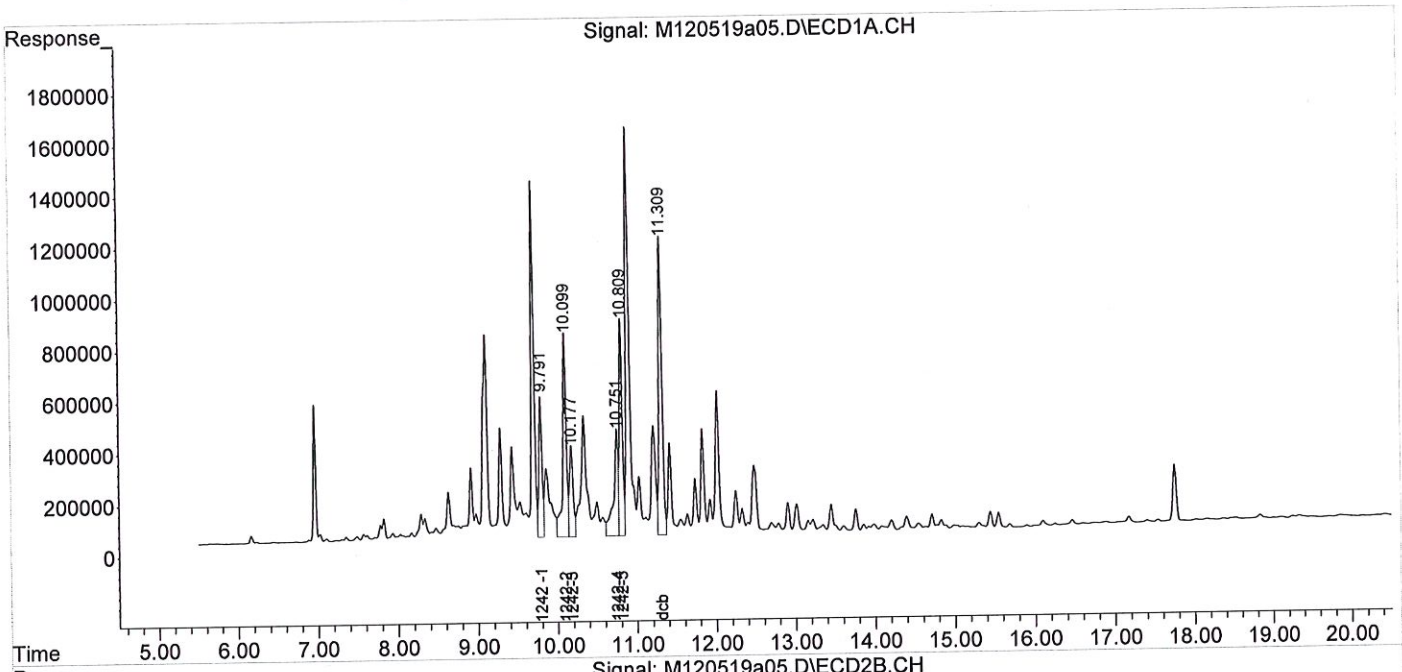
Quantitation Report (Not Reviewed)

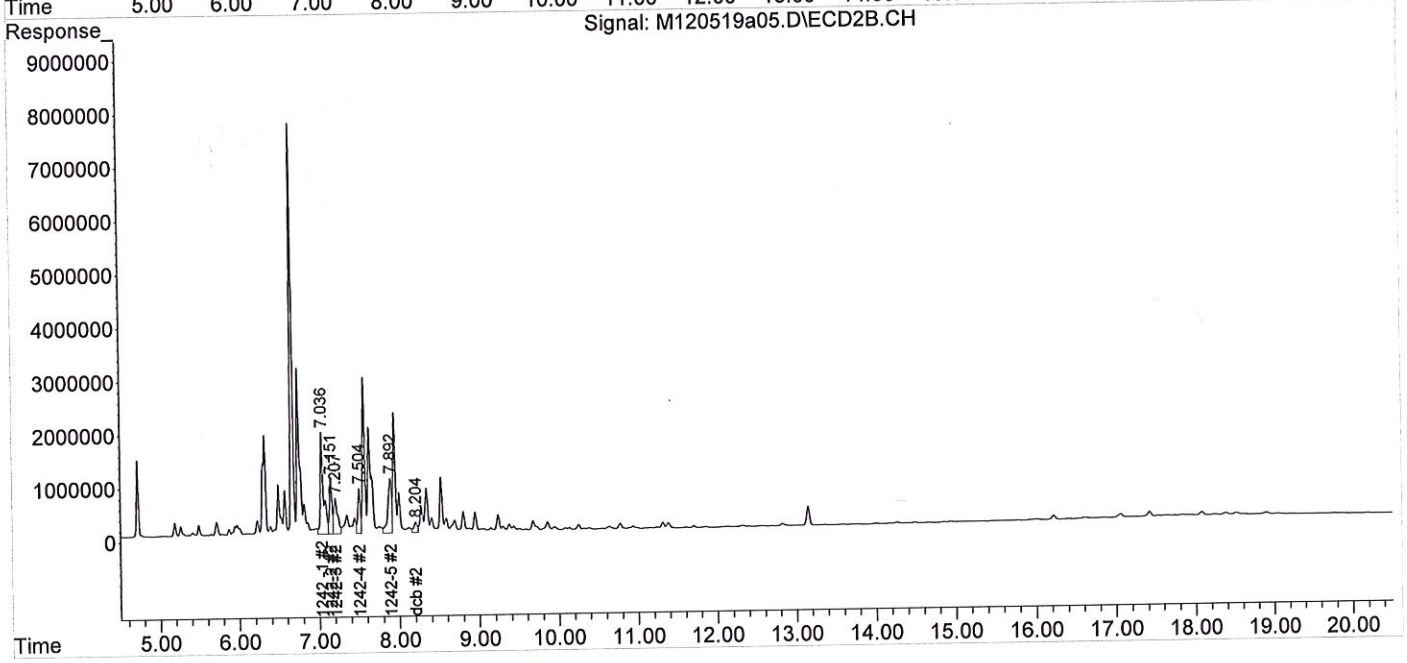
Data Path : J:\Organics\Minerva\MINERVA 2019 DATA\M120519PCBDW\
Data File : M120519a05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Dec 2019 11:56 am
Operator : DWOOD
Sample : 19434302
Misc : SKY Valley PCB Solid 1.86g 10mL fv
ALS Vial : 0 (Sig #1); 5 (Sig #2) Sample Multiplier: 1

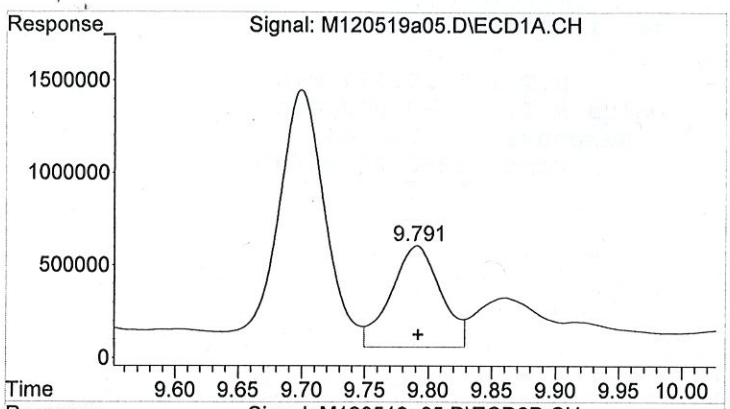
Integration File signal 1: events.e
Integration File signal 2: events3.e
Quant Time: Dec 09 13:48:54 2019
Quant Method : J:\Organics\Minerva\Methods\M120419PCB1242.M
Quant Title : AROCLOR 1254 ANALYSIS
QLast Update : Wed Dec 04 16:34:32 2019
Response via : Initial Calibration
Integrator: ChemStation 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

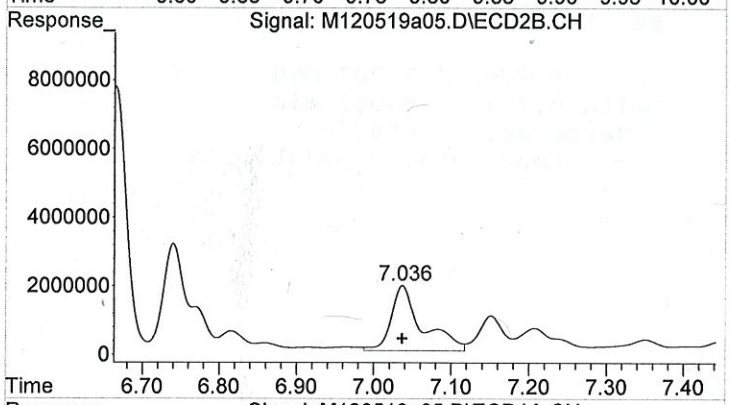






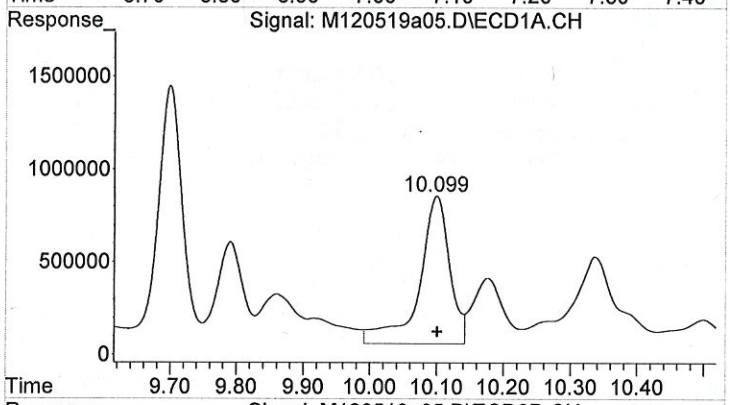
#2 1242 -1

R.T.: 9.791 min
Delta R.T.: -0.001 min
Response: 546478
Conc: 1576.29 pg/uL



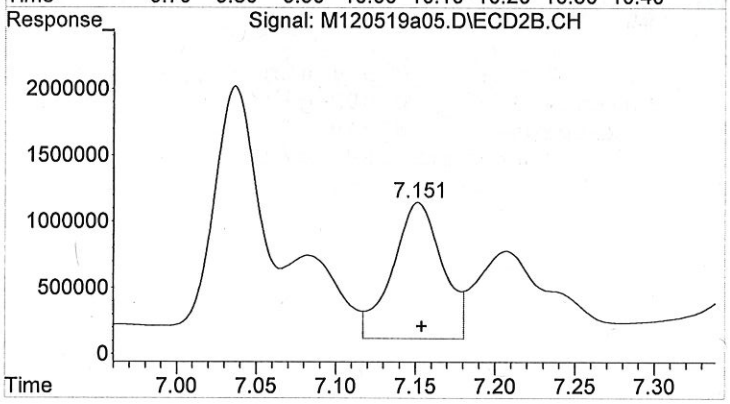
#2 1242 -1

R.T.: 7.037 min
Delta R.T.: 0.000 min
Response: 1894211
Conc: 1373.03 pg/uL



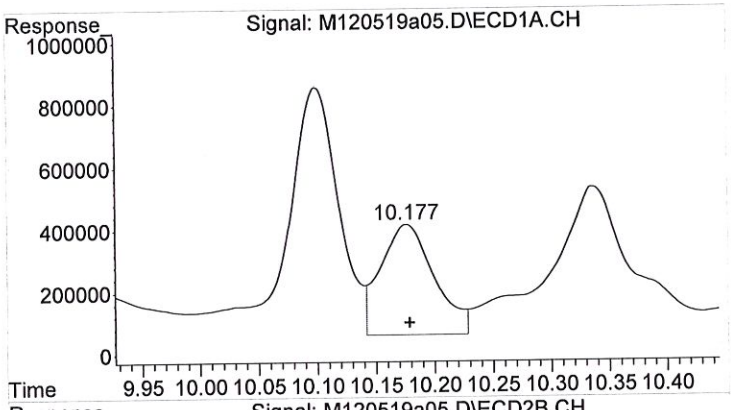
#3 1242-2

R.T.: 10.100 min
Delta R.T.: -0.001 min
Response: 794312
Conc: 1737.18 pg/uL



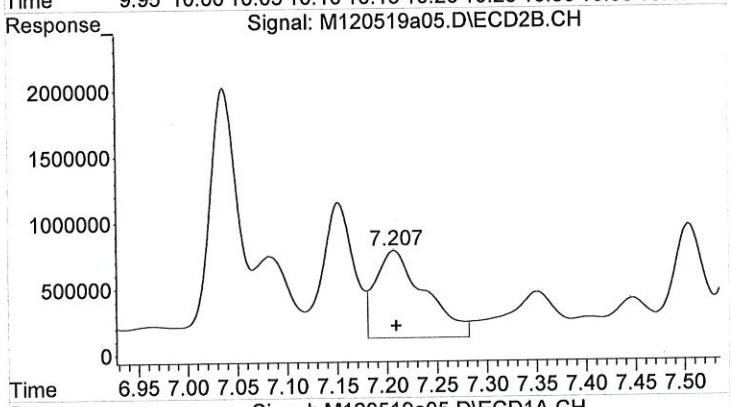
#3 1242-2

R.T.: 7.152 min
Delta R.T.: -0.002 min
Response: 1025056
Conc: 1183.50 pg/uL



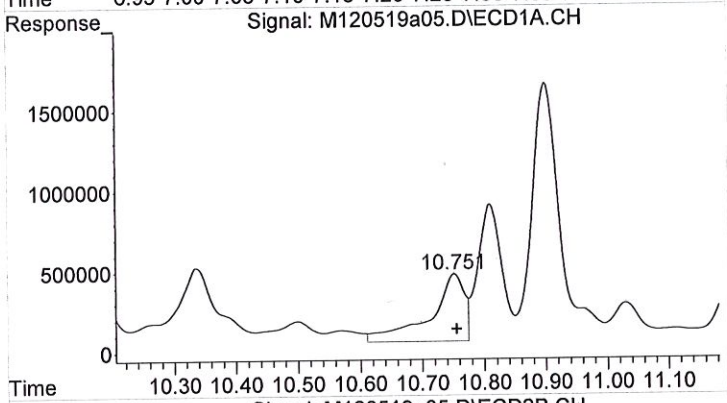
#4 1242-3

R.T.: 10.177 min
Delta R.T.: -0.002 min
Response: 354344
Conc: 1282.21 pg/uL



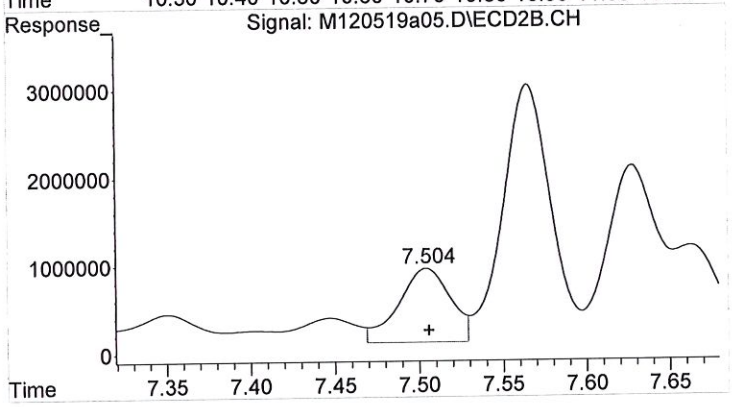
#4 1242-3

R.T.: 7.207 min
Delta R.T.: -0.002 min
Response: 658776
Conc: 955.18 pg/uL



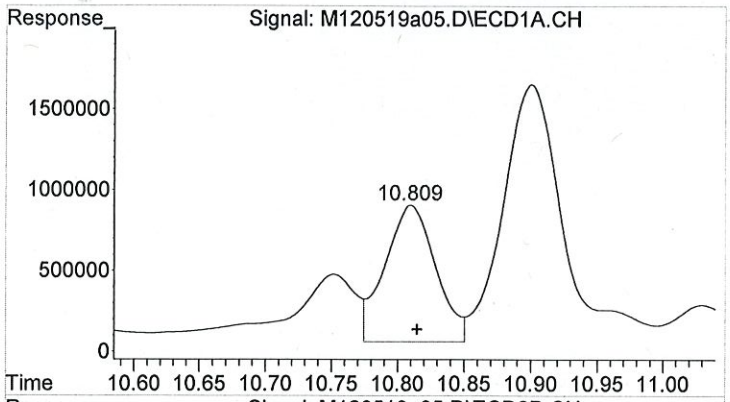
#5 1242-4

R.T.: 10.752 min
Delta R.T.: -0.004 min
Response: 416596
Conc: 1415.03 pg/uL



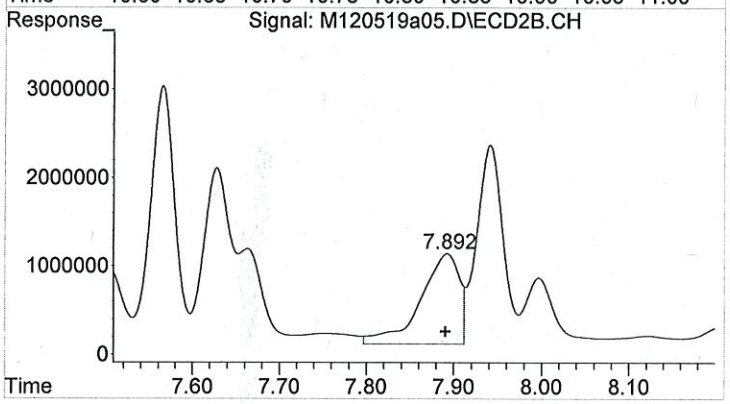
#5 1242-4

R.T.: 7.504 min
Delta R.T.: -0.002 min
Response: 837495
Conc: 1159.88 pg/uL



#6 1242-5

R.T.: 10.810 min
Delta R.T.: -0.005 min
Response: 846440
Conc: 1681.19 pg/uL



#6 1242-5

R.T.: 7.892 min
Delta R.T.: 0.000 min
Response: 1019244
Conc: 1446.72 pg/uL