

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD033122\
 Data File : PD068831.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Mar 2022 15:59
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 03/30/2022
 Supervised By : mohammad ahmed 03/30/2022

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 30 04:49:00 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD031222.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 14 03:30:32 2022
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.446	4.172	25009942	216.5E6	20.598	22.641
28)	SA Decachlor...	8.203	9.367	27031853	133.2E6	21.396	23.507
Target Compounds							
2)	A alpha-BHC	3.886	4.568	17490694	160.8E6	9.660	11.685
3)	MA gamma-BHC...	4.169	4.859	16401940	146.2E6	9.823	11.696
6)	B beta-BHC	4.419	5.022	8475426	69366233	11.383	12.635
12)	B 4,4'-DDE	5.609	6.549	729678	7643399	0.533m	0.825 #
14)	MA Endrin	6.000	6.928	66105622	398.9E6	50.182	51.558
16)	A 4,4'-DDD	6.128	7.040	4414820	37608787	3.744	5.092 #
17)	MA 4,4'-DDT	6.368	7.343	117.9E6	698.3E6	98.090	95.052
18)	B Endrin al...	6.443	7.257	2279500	15333339	2.296	2.534
20)	A Methoxychlor	6.918	7.796	152.5E6	800.3E6	220.071	219.549
21)	B Endrin ke...	7.149	7.958	4380681	26452974	2.976	3.414

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

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Acq On : 29 Mar 2022 15:59
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

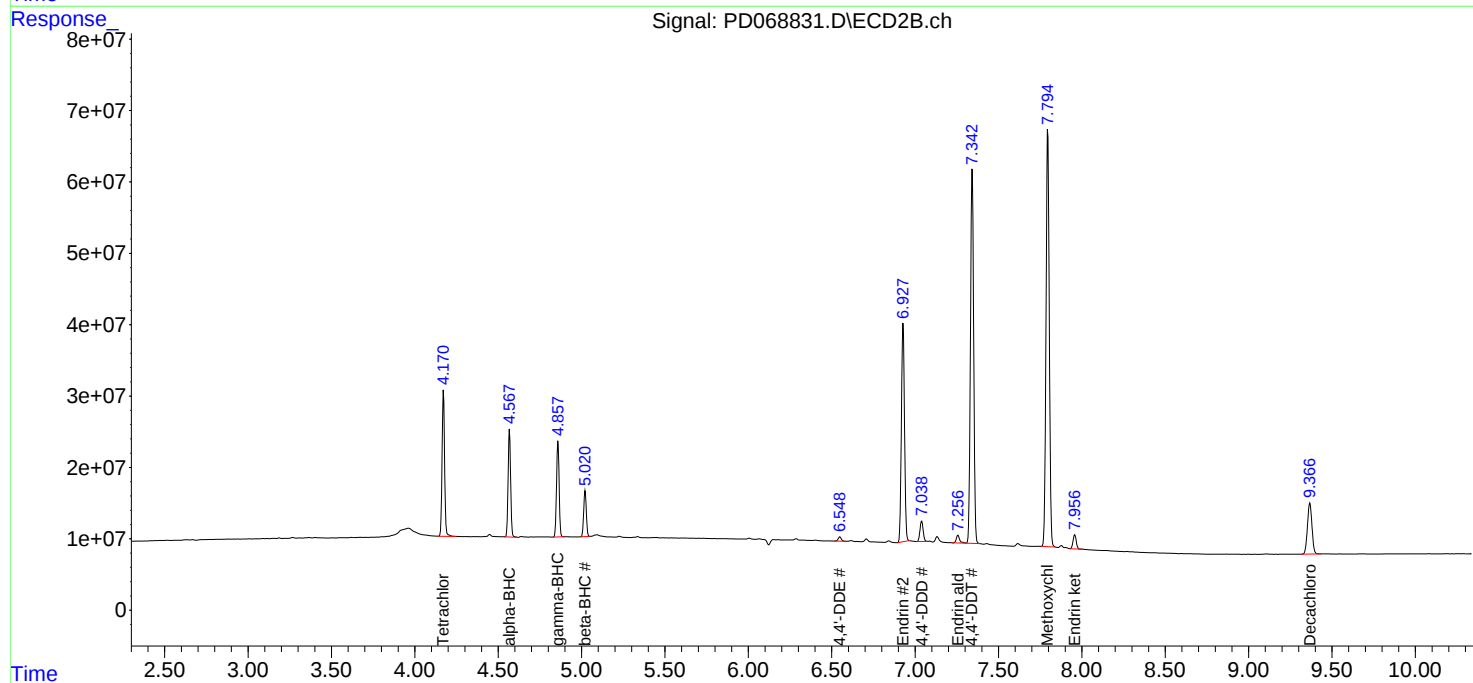
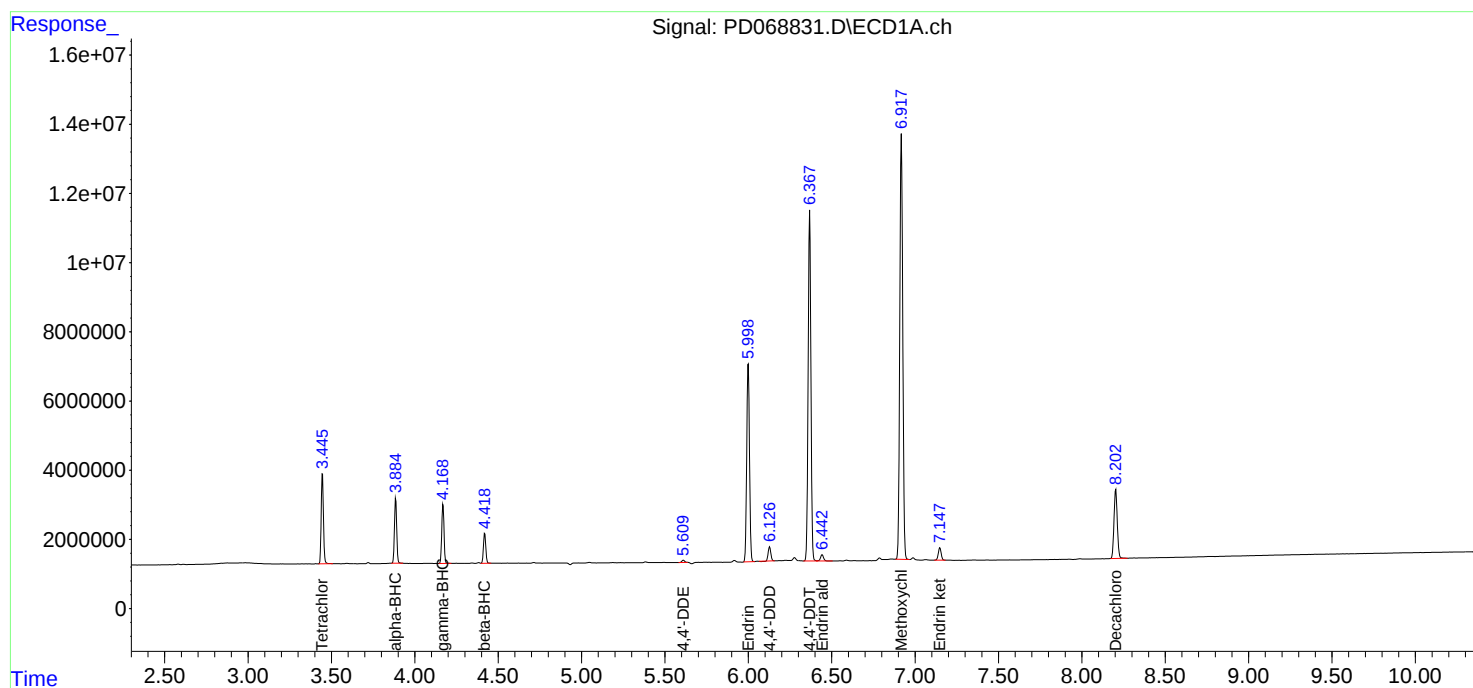
Instrument :
ECD_D
ClientSampleId :
PEM

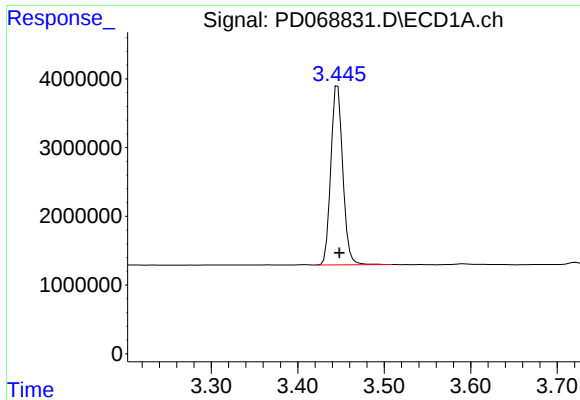
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 30 04:49:00 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD031222.M
Quant Title : GC Extractables
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Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm





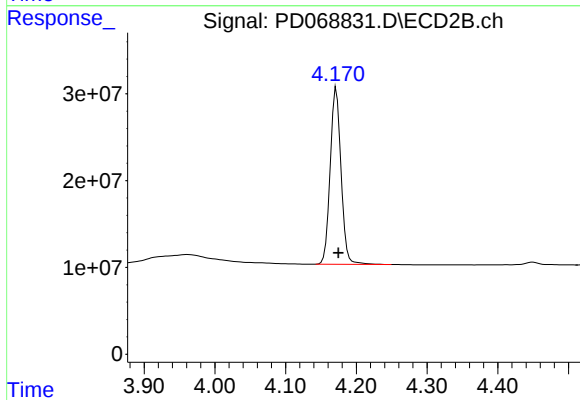
#1 Tetrachloro-m-xylene

R.T.: 3.446 min
Delta R.T.: -0.002 min
Response: 25009942
Conc: 20.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

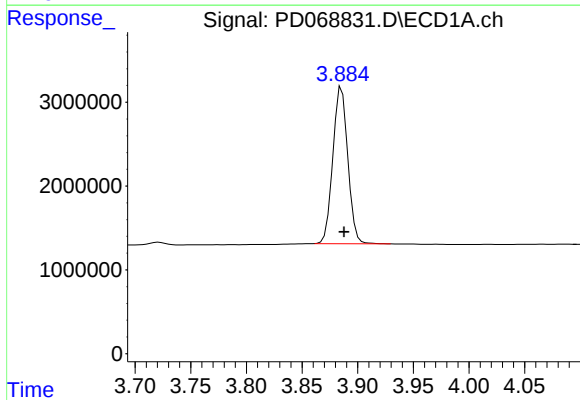
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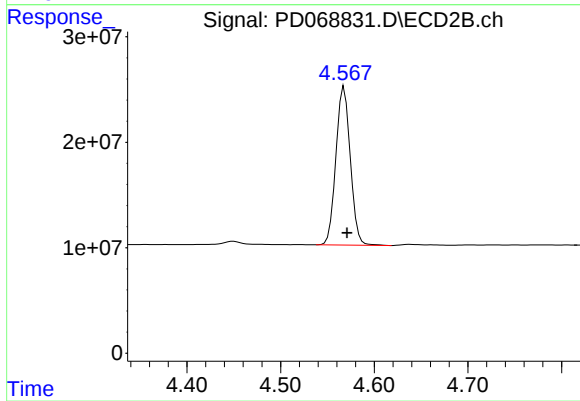
#1 Tetrachloro-m-xylene

R.T.: 4.172 min
Delta R.T.: -0.003 min
Response: 216462885
Conc: 22.64 ng/ml



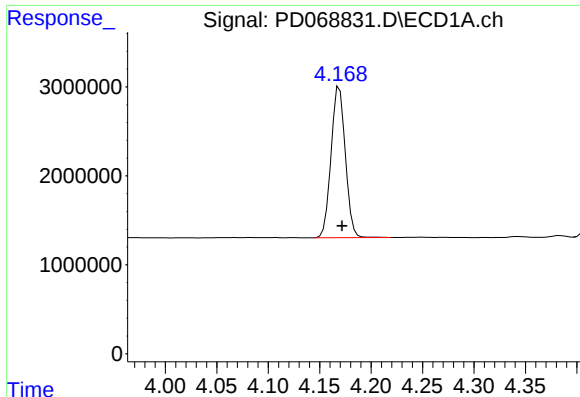
#2 alpha-BHC

R.T.: 3.886 min
Delta R.T.: -0.002 min
Response: 17490694
Conc: 9.66 ng/ml



#2 alpha-BHC

R.T.: 4.568 min
Delta R.T.: -0.003 min
Response: 160812401
Conc: 11.68 ng/ml



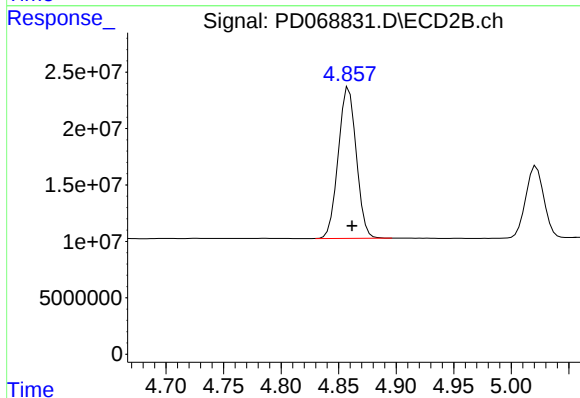
#3 gamma-BHC (Lindane)

R.T.: 4.169 min
Delta R.T.: -0.003 min
Response: 16401940
Conc: 9.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

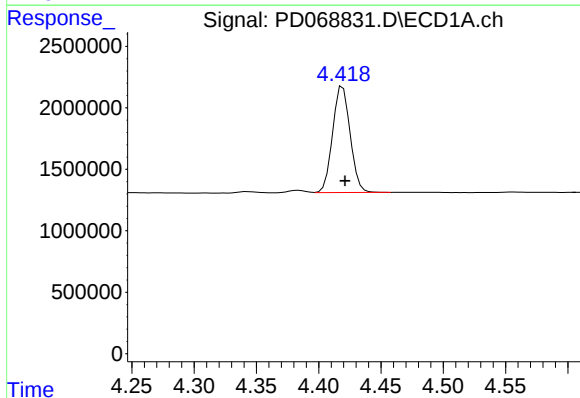
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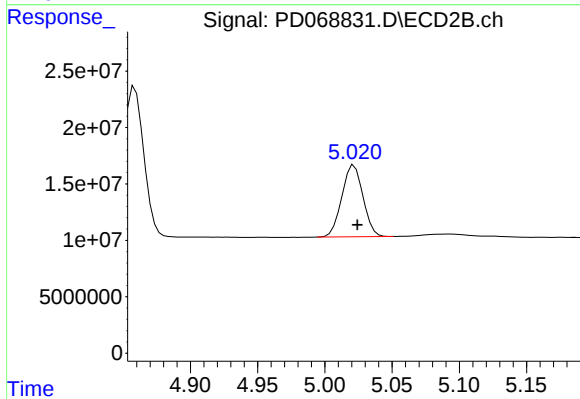
#3 gamma-BHC (Lindane)

R.T.: 4.859 min
Delta R.T.: -0.003 min
Response: 146236174
Conc: 11.70 ng/ml



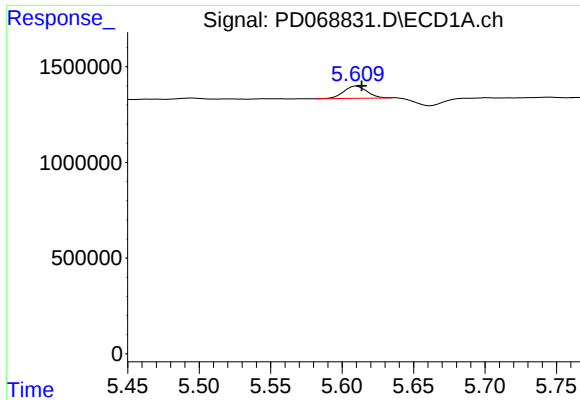
#6 beta-BHC

R.T.: 4.419 min
Delta R.T.: -0.002 min
Response: 8475426
Conc: 11.38 ng/ml



#6 beta-BHC

R.T.: 5.022 min
Delta R.T.: -0.002 min
Response: 69366233
Conc: 12.64 ng/ml



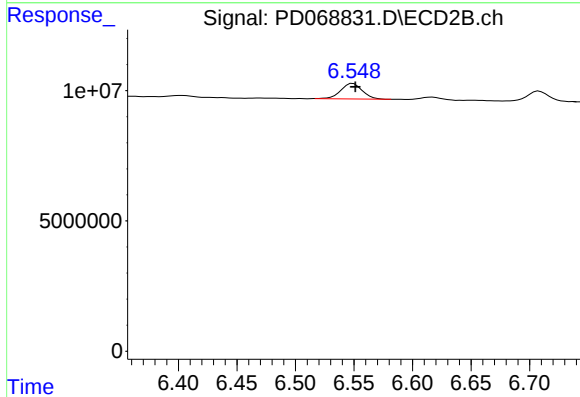
#12 4,4'-DDE

R.T.: 5.609 min
Delta R.T.: -0.005 min
Response: 729678
Conc: 0.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

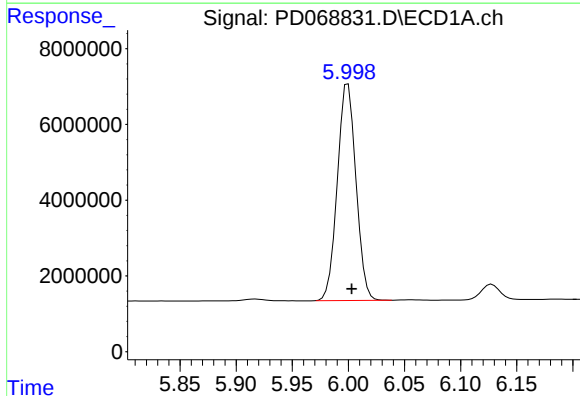
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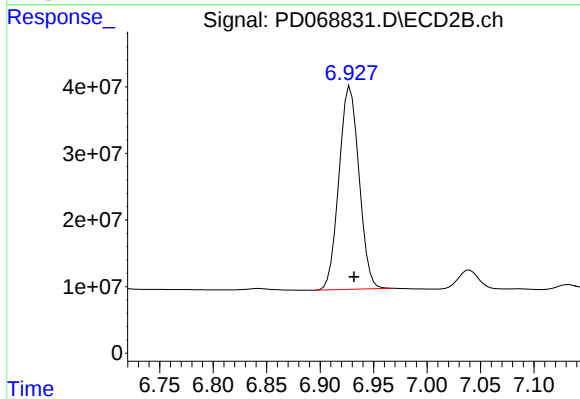
#12 4,4'-DDE

R.T.: 6.549 min
Delta R.T.: -0.002 min
Response: 7643399
Conc: 0.82 ng/ml



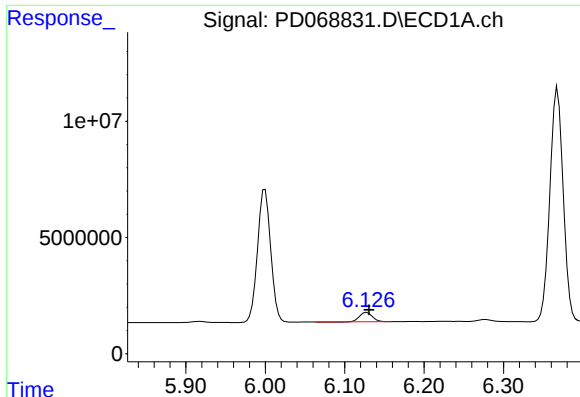
#14 Endrin

R.T.: 6.000 min
Delta R.T.: -0.003 min
Response: 66105622
Conc: 50.18 ng/ml



#14 Endrin

R.T.: 6.928 min
Delta R.T.: -0.003 min
Response: 398929004
Conc: 51.56 ng/ml



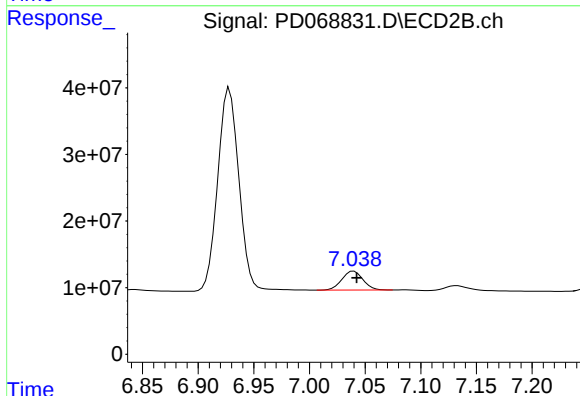
#16 4,4'-DDD

R.T.: 6.128 min
Delta R.T.: -0.003 min
Response: 4414820
Conc: 3.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

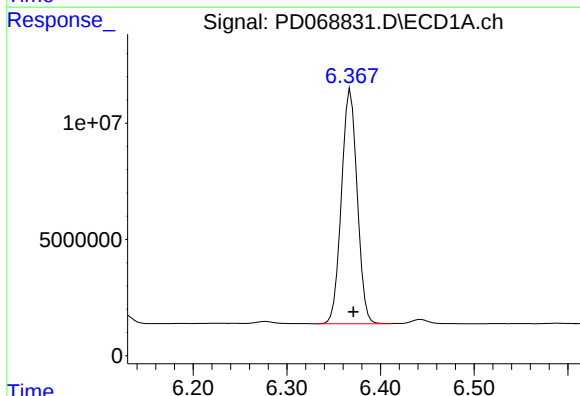
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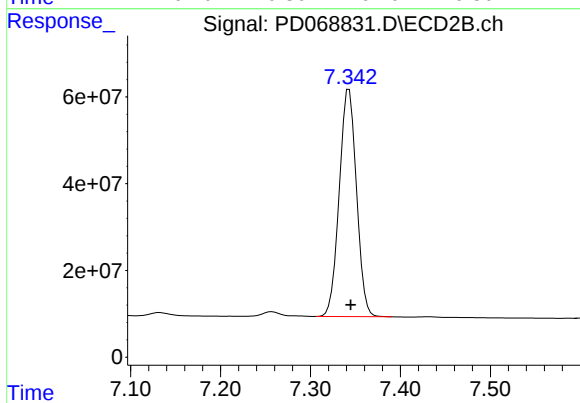
#16 4,4'-DDD

R.T.: 7.040 min
Delta R.T.: -0.003 min
Response: 37608787
Conc: 5.09 ng/ml



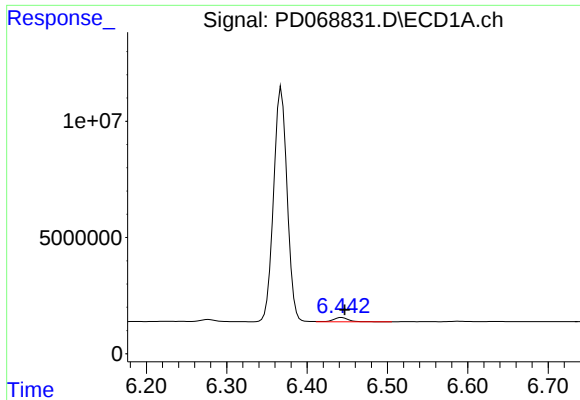
#17 4,4'-DDT

R.T.: 6.368 min
Delta R.T.: -0.003 min
Response: 117900999
Conc: 98.09 ng/ml



#17 4,4'-DDT

R.T.: 7.343 min
Delta R.T.: -0.002 min
Response: 698325379
Conc: 95.05 ng/ml



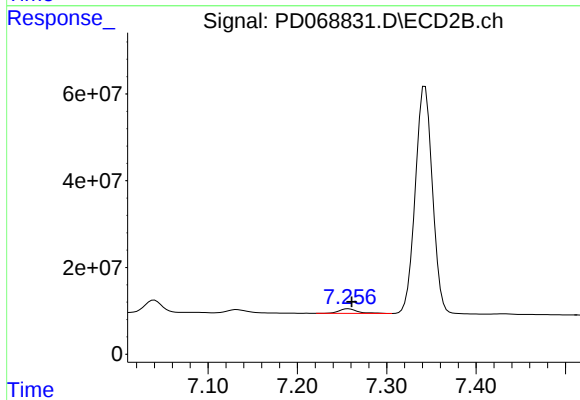
#18 Endrin aldehyde

R.T.: 6.443 min
Delta R.T.: -0.004 min
Response: 2279500
Conc: 2.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

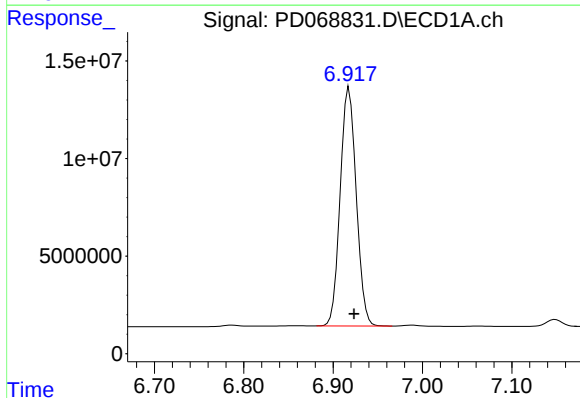
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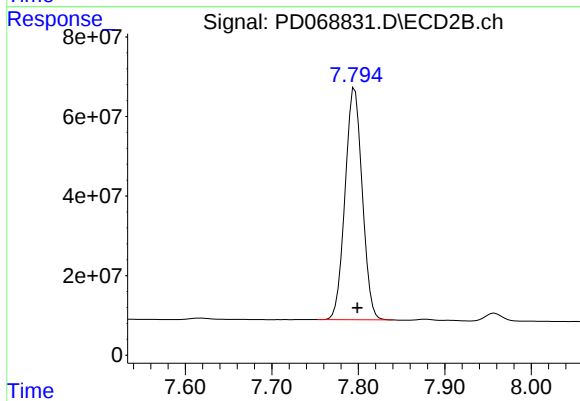
#18 Endrin aldehyde

R.T.: 7.257 min
Delta R.T.: -0.004 min
Response: 15333339
Conc: 2.53 ng/ml



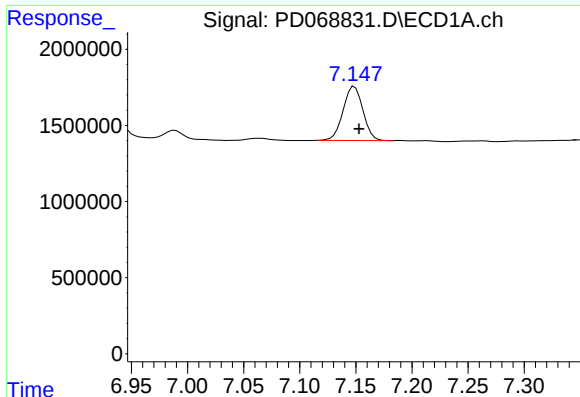
#20 Methoxychlor

R.T.: 6.918 min
Delta R.T.: -0.006 min
Response: 152515505
Conc: 220.07 ng/ml



#20 Methoxychlor

R.T.: 7.796 min
Delta R.T.: -0.003 min
Response: 800318490
Conc: 219.55 ng/ml



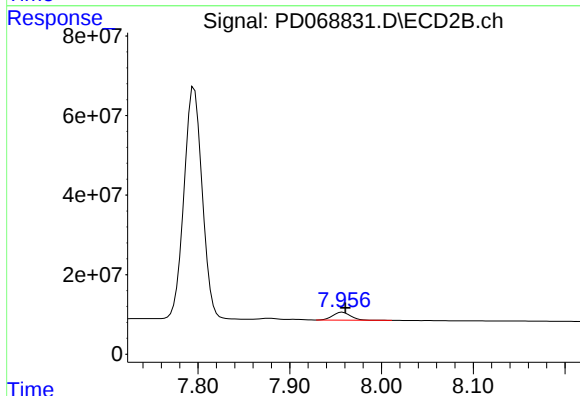
#21 Endrin ketone

R.T.: 7.149 min
Delta R.T.: -0.004 min
Response: 4380681
Conc: 2.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

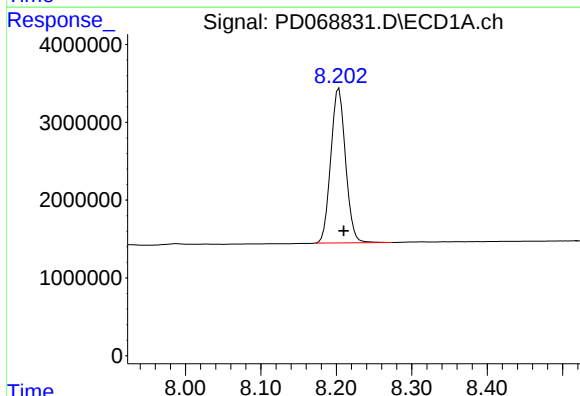
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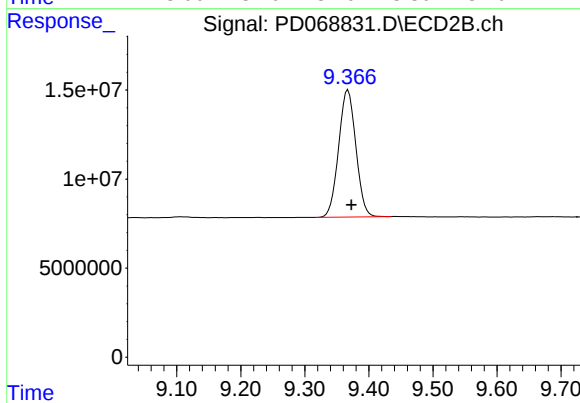
#21 Endrin ketone

R.T.: 7.958 min
Delta R.T.: -0.003 min
Response: 26452974
Conc: 3.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.203 min
Delta R.T.: -0.006 min
Response: 27031853
Conc: 21.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.367 min
Delta R.T.: -0.005 min
Response: 133206131
Conc: 23.51 ng/ml