

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL081925\  
 Data File : PL096891.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 19 Aug 2025 14:26  
 Operator : AR\AJ  
 Sample : Q2888-01MSD  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 VNJ-210MSD

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 08/20/2025  
 Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 20 01:37:26 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL072825.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Aug 08 15:43:38 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml    |
|-----------------------------|-----------------|-------|-------|----------|---------|---------|----------|
| -----                       |                 |       |       |          |         |         |          |
| System Monitoring Compounds |                 |       |       |          |         |         |          |
| 1)                          | SA Tetrachlo... | 3.529 | 2.826 | 67163858 | 100.5E6 | 21.116m | 21.026   |
| 28)                         | SA Decachlor... | 9.003 | 7.984 | 55945594 | 101.5E6 | 23.461m | 23.401m  |
| Target Compounds            |                 |       |       |          |         |         |          |
| 2)                          | A alpha-BHC     | 3.977 | 3.331 | 239.2E6  | 372.7E6 | 51.714  | 52.657   |
| 3)                          | MA gamma-BHC... | 4.304 | 3.663 | 232.6E6  | 343.5E6 | 52.577m | 52.014   |
| 4)                          | MA Heptachlor   | 4.896 | 4.011 | 240.6E6  | 341.1E6 | 57.896  | 51.205   |
| 5)                          | MB Aldrin       | 5.236 | 4.293 | 241.4E6  | 315.2E6 | 56.132  | 50.778   |
| 6)                          | B beta-BHC      | 4.493 | 3.959 | 82985406 | 149.6E6 | 45.976  | 53.032   |
| 7)                          | B delta-BHC     | 4.737 | 4.192 | 182.9E6  | 282.9E6 | 45.829  | 43.705   |
| 8)                          | B Heptachlo...  | 5.654 | 4.795 | 205.9E6  | 278.0E6 | 53.385m | 48.678   |
| 9)                          | A Endosulfan I  | 6.036 | 5.167 | 207.9E6  | 274.2E6 | 57.801  | 49.564   |
| 10)                         | B gamma-Chl...  | 5.907 | 5.046 | 217.0E6  | 319.9E6 | 57.015m | 54.404m  |
| 11)                         | B alpha-Chl...  | 5.988 | 5.111 | 225.7E6  | 335.0E6 | 58.552m | 56.783   |
| 12)                         | B 4,4'-DDE      | 6.160 | 5.300 | 178.5E6  | 336.2E6 | 55.581  | 60.960   |
| 13)                         | MA Dieldrin     | 6.308 | 5.430 | 186.0E6  | 323.1E6 | 50.113  | 54.707   |
| 14)                         | MA Endrin       | 6.533 | 5.705 | 150.7E6  | 282.6E6 | 49.794m | 52.282   |
| 15)                         | B Endosulfa...  | 6.747 | 5.997 | 146.4E6  | 265.2E6 | 45.719m | 51.629   |
| 16)                         | A 4,4'-DDD      | 6.668 | 5.852 | 148.3E6  | 203.4E6 | 58.672  | 43.219 # |
| 17)                         | MA 4,4'-DDT     | 6.982 | 6.104 | 196.4E6  | 316.9E6 | 68.503  | 62.658   |
| 18)                         | B Endrin al...  | 6.876 | 6.175 | 110.6E6  | 176.7E6 | 51.517  | 48.596   |
| 19)                         | B Endosulfa...  | 7.109 | 6.398 | 136.7E6  | 214.7E6 | 47.568  | 42.219   |
| 20)                         | A Methoxychlor  | 7.453 | 6.675 | 88621839 | 112.8E6 | 60.355m | 41.146m# |
| 21)                         | B Endrin ke...  | 7.588 | 6.902 | 142.3E6  | 236.5E6 | 47.339m | 42.460   |
| 22)                         | Mirex           | 8.067 | 7.092 | 113.3E6  | 177.2E6 | 45.689  | 40.640   |
| -----                       |                 |       |       |          |         |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL081925\  
Data File : PL096891.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 19 Aug 2025 14:26  
Operator : AR\AJ  
Sample : Q2888-01MSD  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

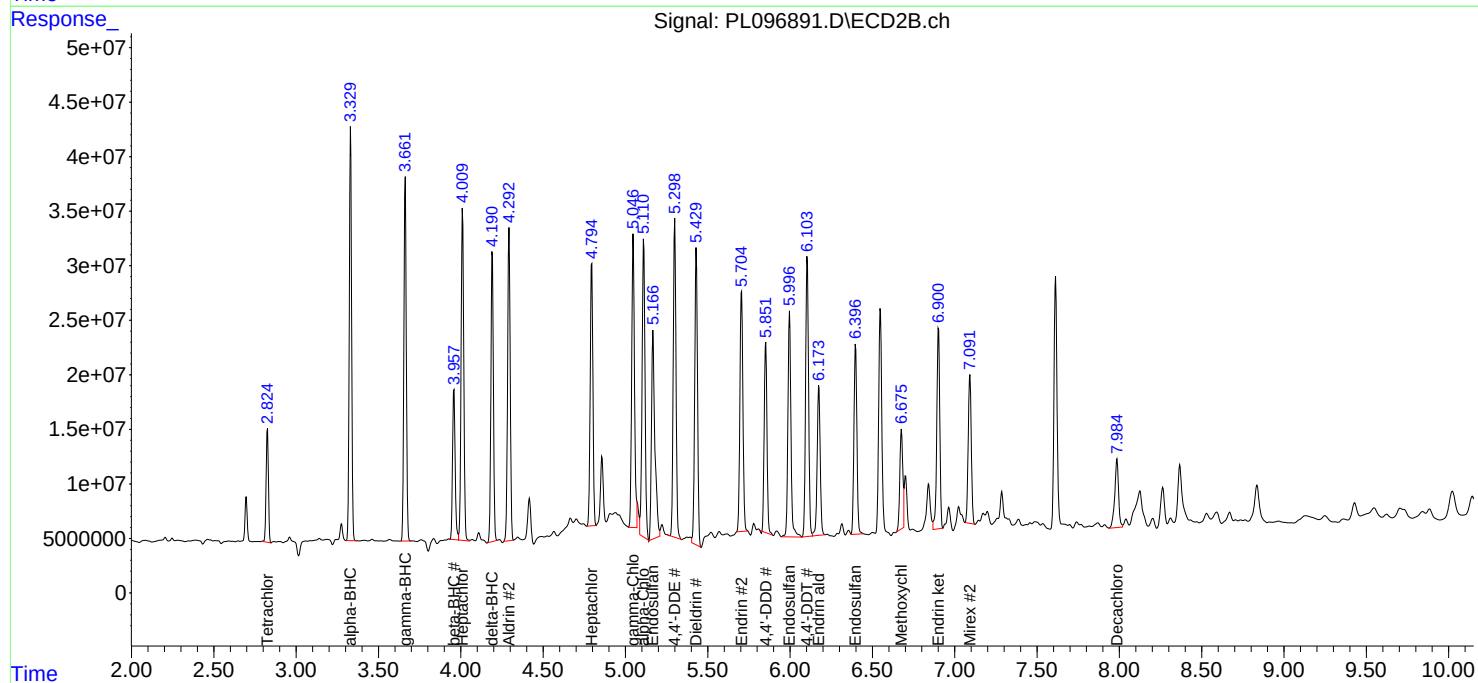
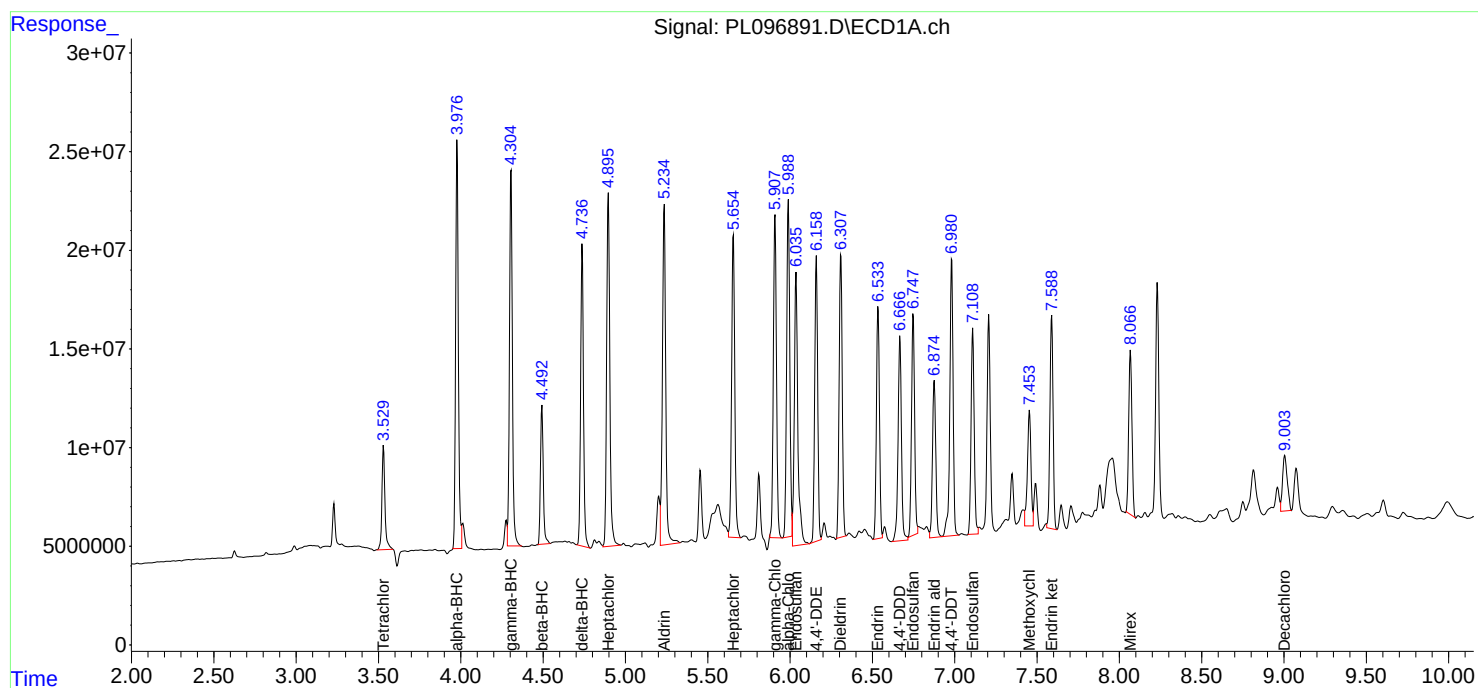
Instrument :  
ECD\_L  
ClientSampleId :  
VNJ-210MSD

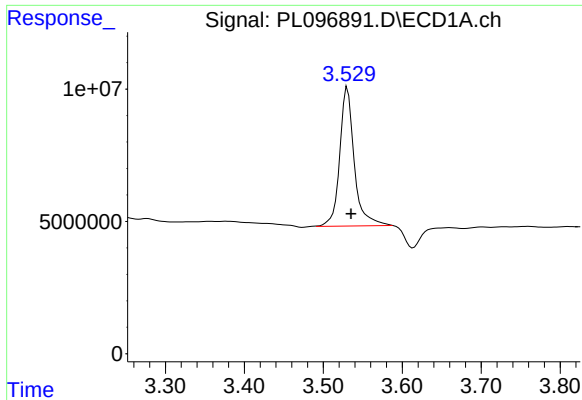
Manual Integrations  
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Reviewed By :Abdul Mirza 08/20/2025  
Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Aug 20 01:37:26 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL072825.M  
Quant Title : GC Extractables  
QLast Update : Fri Aug 08 15:43:38 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





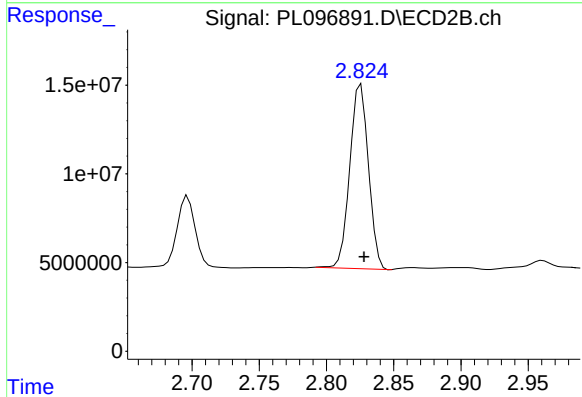
#1 Tetrachloro-m-xylene

R.T.: 3.529 min  
Delta R.T.: -0.006 min  
Response: 67163858  
Conc: 21.12 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
VNJ-210MSD

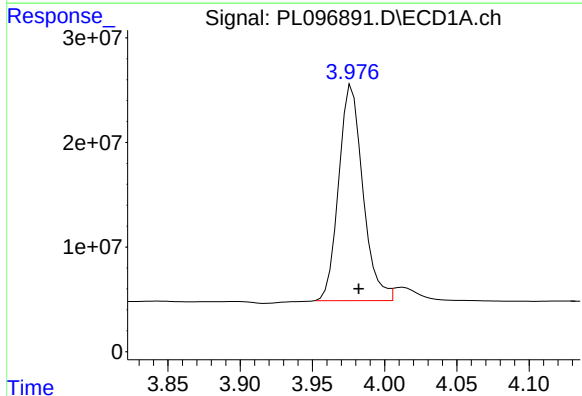
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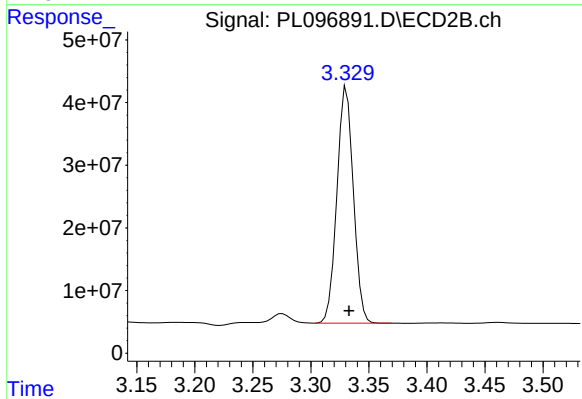
#1 Tetrachloro-m-xylene

R.T.: 2.826 min  
Delta R.T.: -0.002 min  
Response: 100455077  
Conc: 21.03 ng/ml



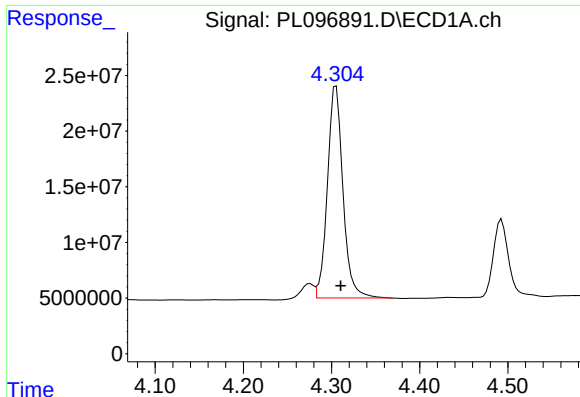
#2 alpha-BHC

R.T.: 3.977 min  
Delta R.T.: -0.005 min  
Response: 239249165  
Conc: 51.71 ng/ml



#2 alpha-BHC

R.T.: 3.331 min  
Delta R.T.: -0.002 min  
Response: 372658898  
Conc: 52.66 ng/ml



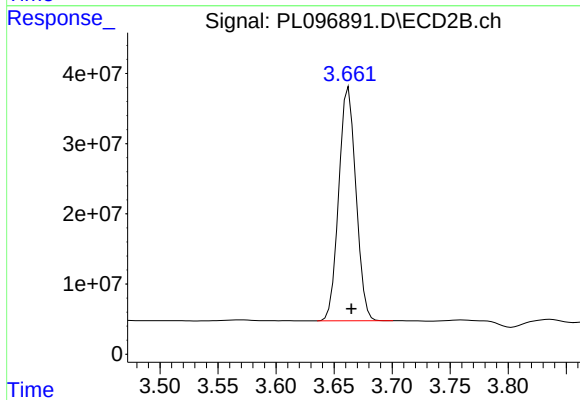
#3 gamma-BHC (Lindane)

R.T.: 4.304 min  
Delta R.T.: -0.006 min  
Response: 232570984  
Conc: 52.58 ng/ml

Instrument :  
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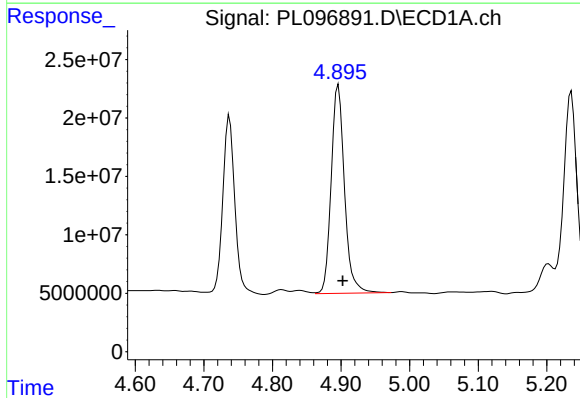
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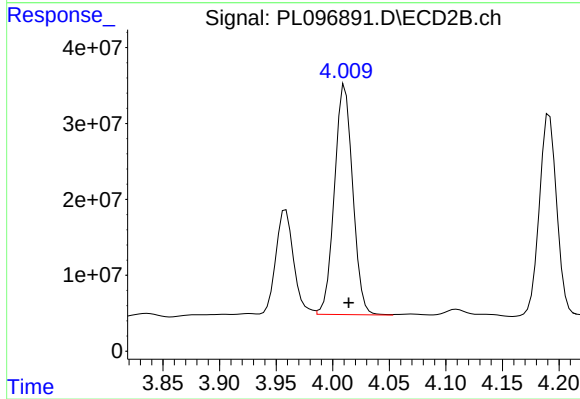
#3 gamma-BHC (Lindane)

R.T.: 3.663 min  
Delta R.T.: -0.002 min  
Response: 343464907  
Conc: 52.01 ng/ml



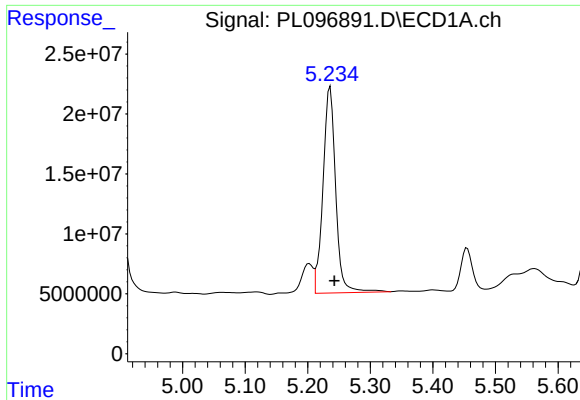
#4 Heptachlor

R.T.: 4.896 min  
Delta R.T.: -0.007 min  
Response: 240596960  
Conc: 57.90 ng/ml



#4 Heptachlor

R.T.: 4.011 min  
Delta R.T.: -0.003 min  
Response: 341125856  
Conc: 51.21 ng/ml



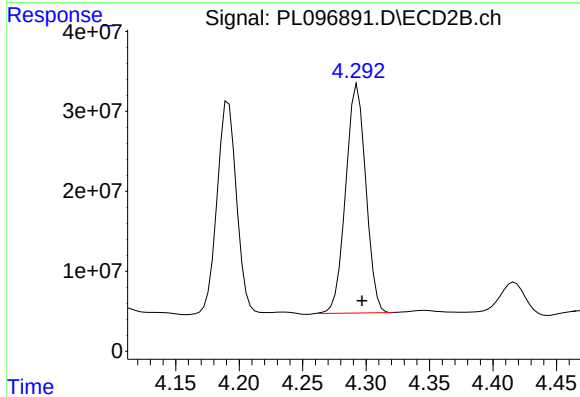
#5 Aldrin

R.T.: 5.236 min  
Delta R.T.: -0.007 min  
Response: 241422672  
Conc: 56.13 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
VNJ-210MSD

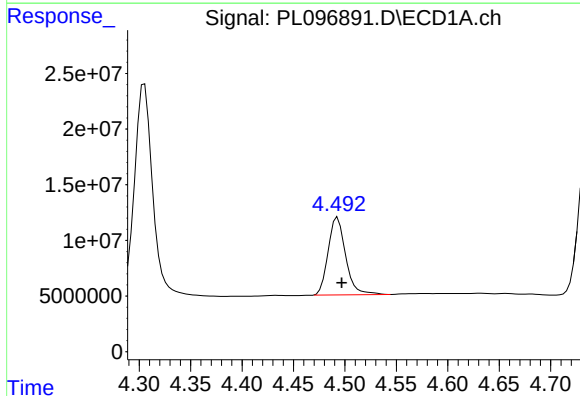
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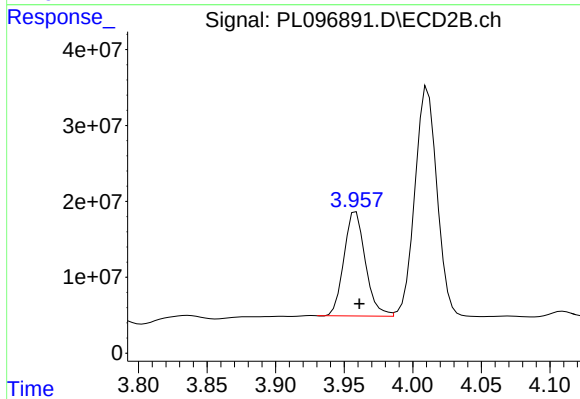
#5 Aldrin

R.T.: 4.293 min  
Delta R.T.: -0.004 min  
Response: 315182898  
Conc: 50.78 ng/ml



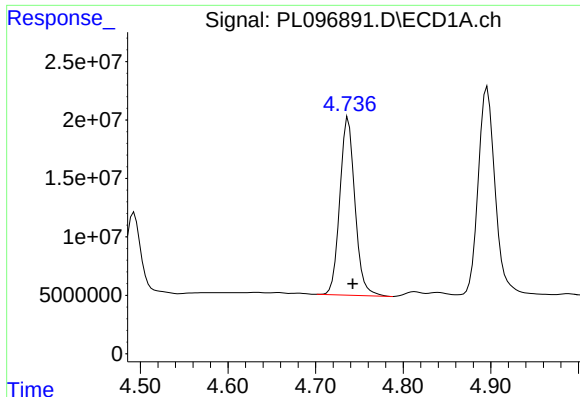
#6 beta-BHC

R.T.: 4.493 min  
Delta R.T.: -0.004 min  
Response: 82985406  
Conc: 45.98 ng/ml



#6 beta-BHC

R.T.: 3.959 min  
Delta R.T.: -0.002 min  
Response: 149599194  
Conc: 53.03 ng/ml



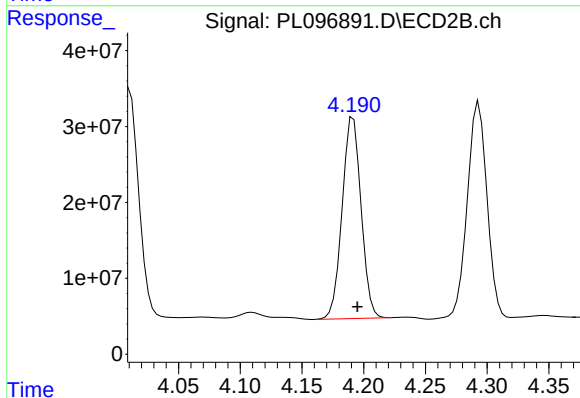
#7 delta-BHC

R.T.: 4.737 min  
Delta R.T.: -0.005 min  
Response: 182853086  
Conc: 45.83 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
VNJ-210MSD

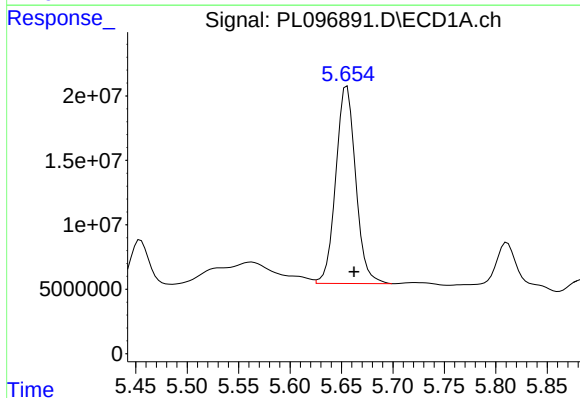
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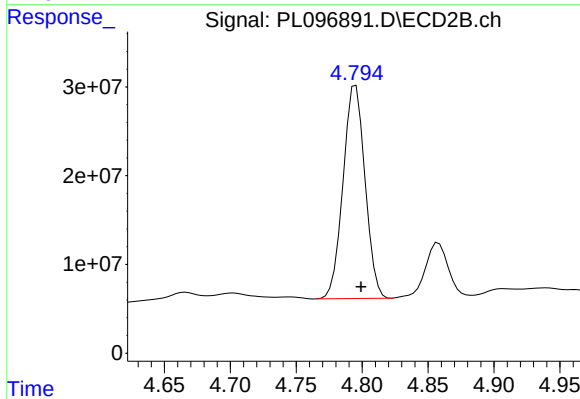
#7 delta-BHC

R.T.: 4.192 min  
Delta R.T.: -0.003 min  
Response: 282929191  
Conc: 43.70 ng/ml



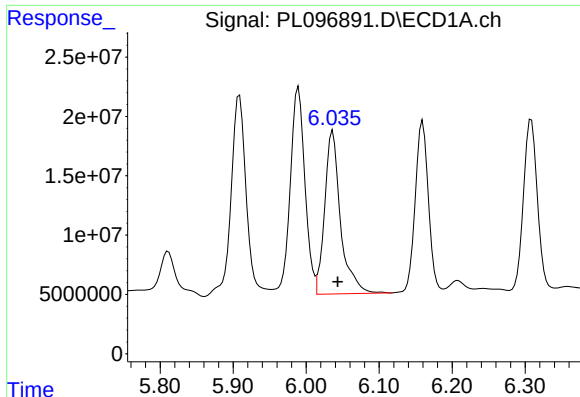
#8 Heptachlor epoxide

R.T.: 5.654 min  
Delta R.T.: -0.008 min  
Response: 205879986  
Conc: 53.38 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.795 min  
Delta R.T.: -0.004 min  
Response: 278018939  
Conc: 48.68 ng/ml



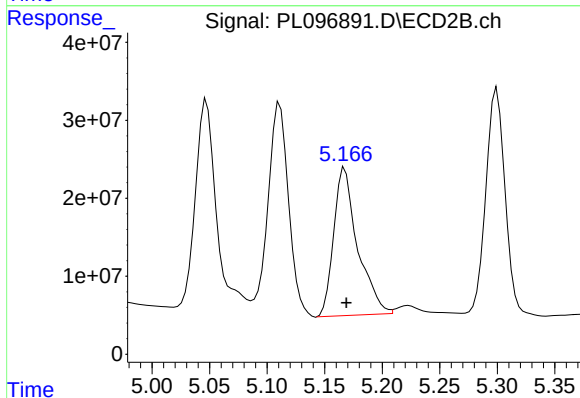
#9 Endosulfan I

R.T.: 6.036 min  
Delta R.T.: -0.007 min  
Response: 207872783  
Conc: 57.80 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
VNJ-210MSD

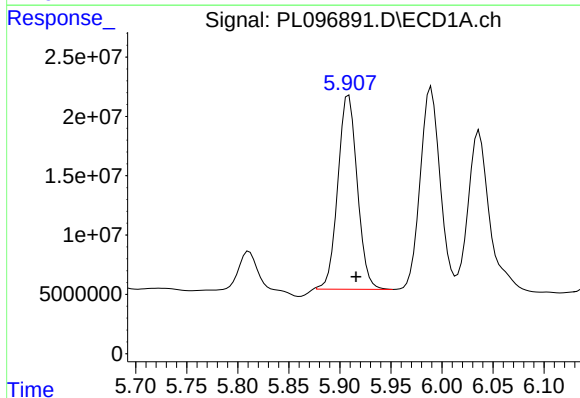
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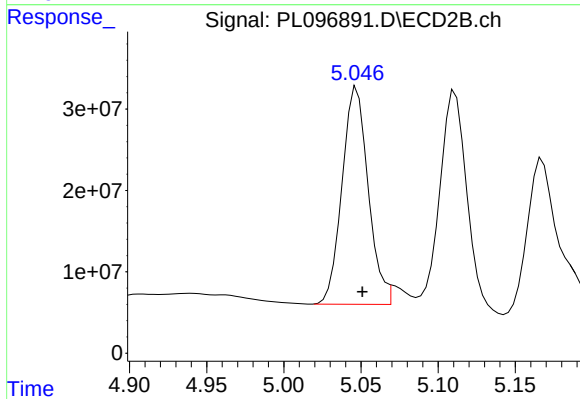
#9 Endosulfan I

R.T.: 5.167 min  
Delta R.T.: -0.002 min  
Response: 274160923  
Conc: 49.56 ng/ml



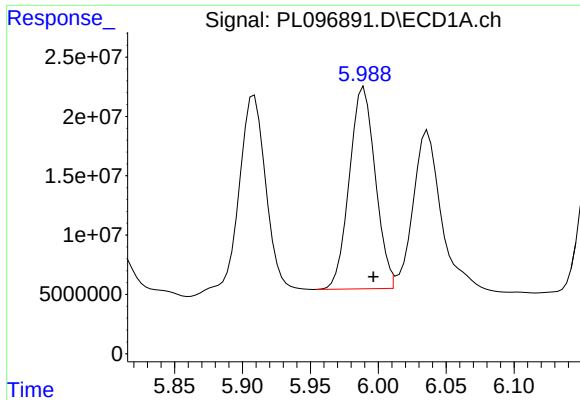
#10 gamma-Chlordane

R.T.: 5.907 min  
Delta R.T.: -0.008 min  
Response: 216954062  
Conc: 57.01 ng/ml m



#10 gamma-Chlordane

R.T.: 5.046 min  
Delta R.T.: -0.005 min  
Response: 319901794  
Conc: 54.40 ng/ml m



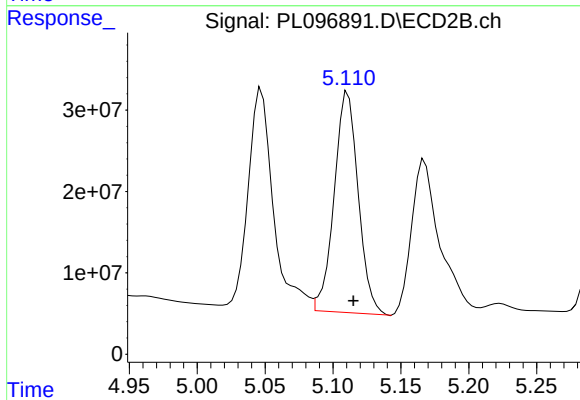
#11 alpha-Chlordane

R.T.: 5.988 min  
Delta R.T.: -0.008 min  
Response: 225697731  
Conc: 58.55 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
VNJ-210MSD

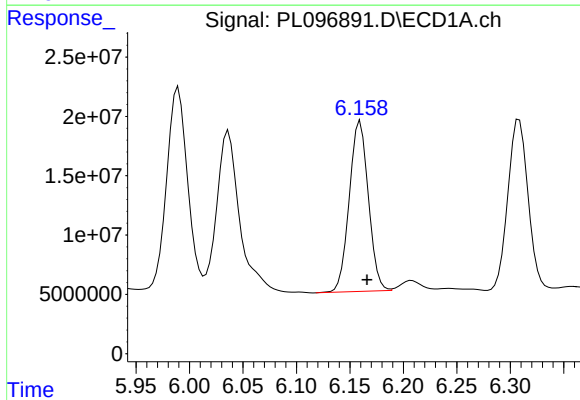
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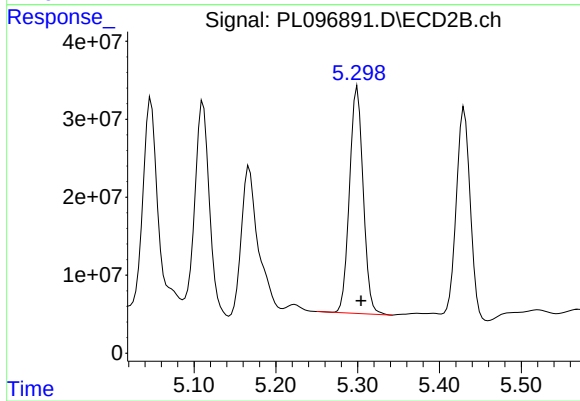
#11 alpha-Chlordane

R.T.: 5.111 min  
Delta R.T.: -0.004 min  
Response: 334957101  
Conc: 56.78 ng/ml



#12 4,4'-DDE

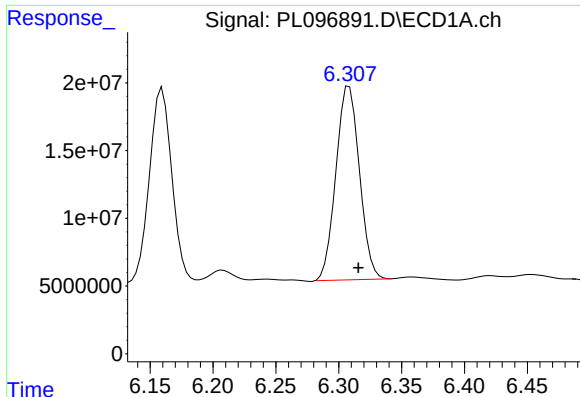
R.T.: 6.160 min  
Delta R.T.: -0.006 min  
Response: 178485322  
Conc: 55.58 ng/ml



#12 4,4'-DDE

R.T.: 5.300 min  
Delta R.T.: -0.004 min  
Response: 336159872  
Conc: 60.96 ng/ml





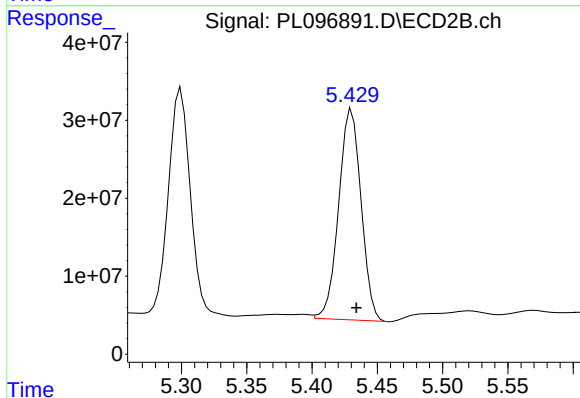
#13 Dieldrin

R.T.: 6.308 min  
Delta R.T.: -0.007 min  
Response: 185975760  
Conc: 50.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
VNJ-210MSD

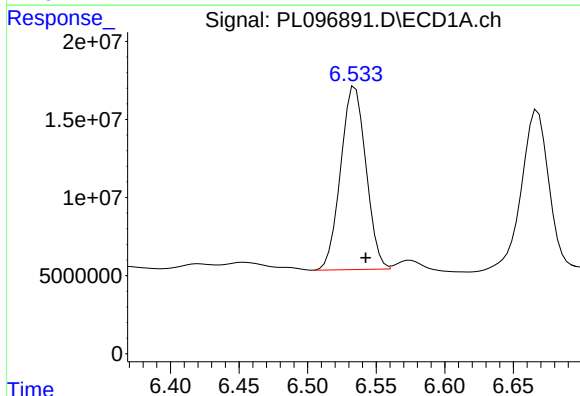
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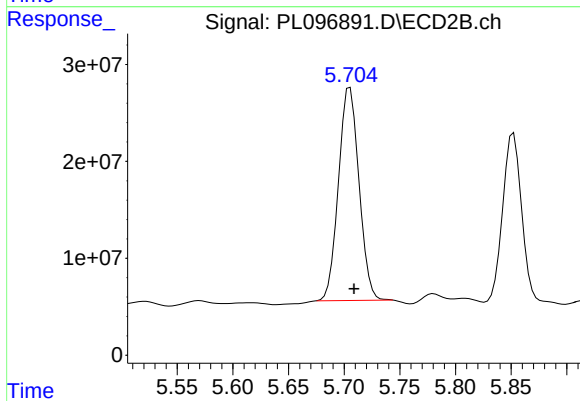
#13 Dieldrin

R.T.: 5.430 min  
Delta R.T.: -0.004 min  
Response: 323130171  
Conc: 54.71 ng/ml



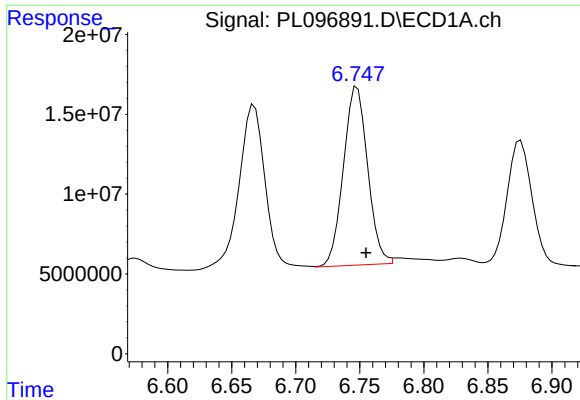
#14 Endrin

R.T.: 6.533 min  
Delta R.T.: -0.009 min  
Response: 150715417  
Conc: 49.79 ng/ml m



#14 Endrin

R.T.: 5.705 min  
Delta R.T.: -0.004 min  
Response: 282635739  
Conc: 52.28 ng/ml



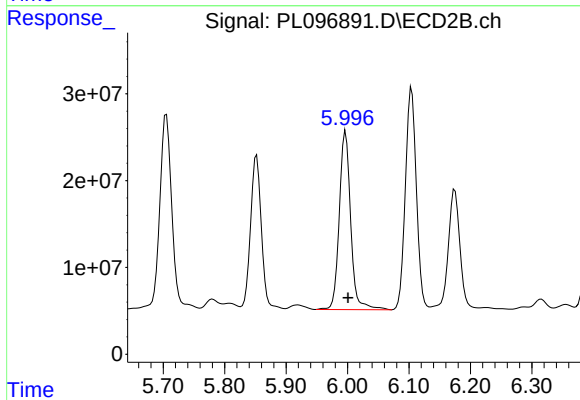
#15 Endosulfan II

R.T.: 6.747 min  
Delta R.T.: -0.008 min  
Response: 146421201  
Conc: 45.72 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
VNJ-210MSD

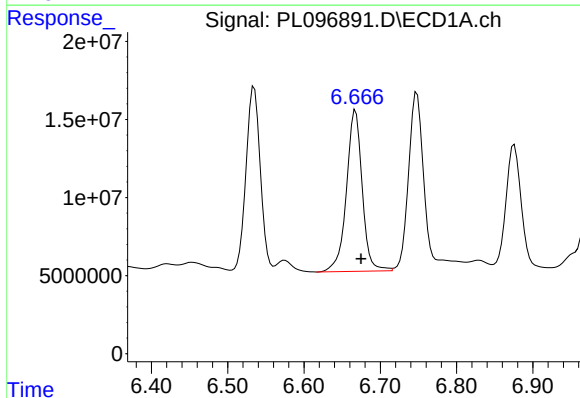
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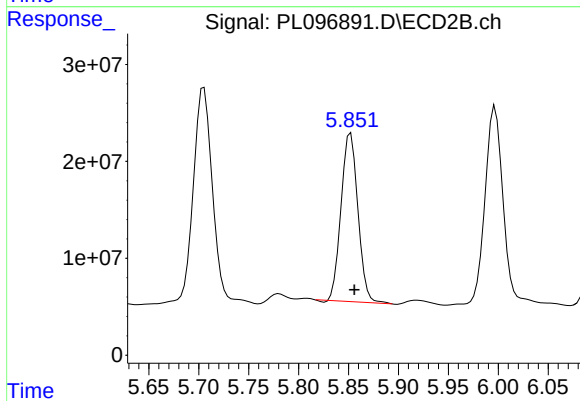
#15 Endosulfan II

R.T.: 5.997 min  
Delta R.T.: -0.004 min  
Response: 265178125  
Conc: 51.63 ng/ml



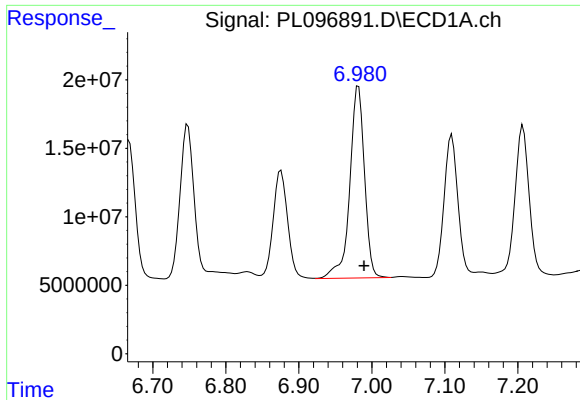
#16 4,4'-DDD

R.T.: 6.668 min  
Delta R.T.: -0.007 min  
Response: 148345646  
Conc: 58.67 ng/ml



#16 4,4'-DDD

R.T.: 5.852 min  
Delta R.T.: -0.004 min  
Response: 203356114  
Conc: 43.22 ng/ml



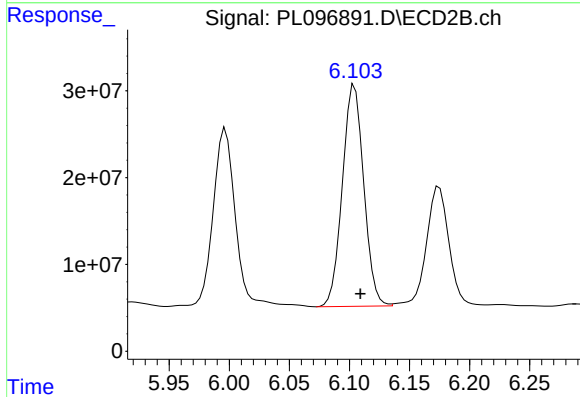
#17 4,4'-DDT

R.T.: 6.982 min  
Delta R.T.: -0.007 min  
Response: 196446057  
Conc: 68.50 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
VNJ-210MSD

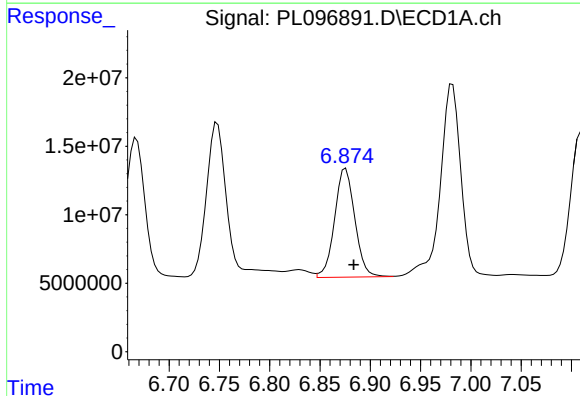
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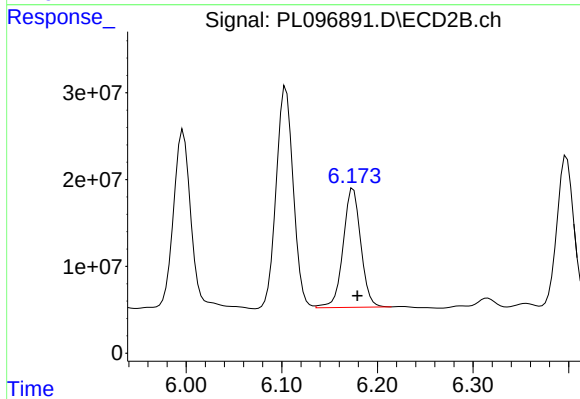
#17 4,4'-DDT

R.T.: 6.104 min  
Delta R.T.: -0.005 min  
Response: 316943877  
Conc: 62.66 ng/ml



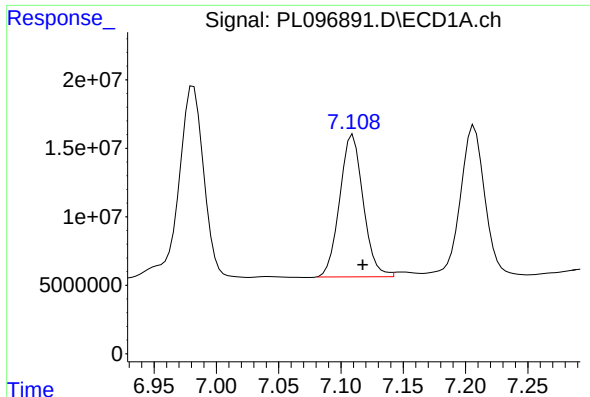
#18 Endrin aldehyde

R.T.: 6.876 min  
Delta R.T.: -0.008 min  
Response: 110552078  
Conc: 51.52 ng/ml



#18 Endrin aldehyde

R.T.: 6.175 min  
Delta R.T.: -0.004 min  
Response: 176650597  
Conc: 48.60 ng/ml



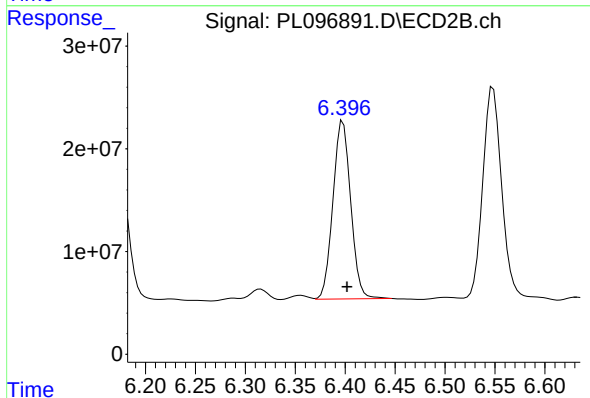
#19 Endosulfan Sulfate

R.T.: 7.109 min  
Delta R.T.: -0.008 min  
Response: 136694923  
Conc: 47.57 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
VNJ-210MSD

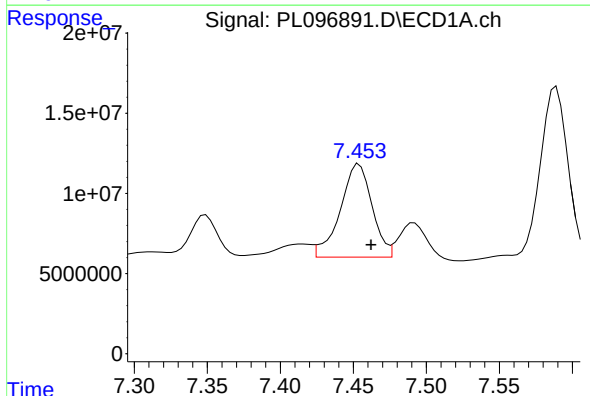
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Reviewed By :Abdul Mirza 08/20/2025  
Supervised By :mohammad ahmed 08/21/2025



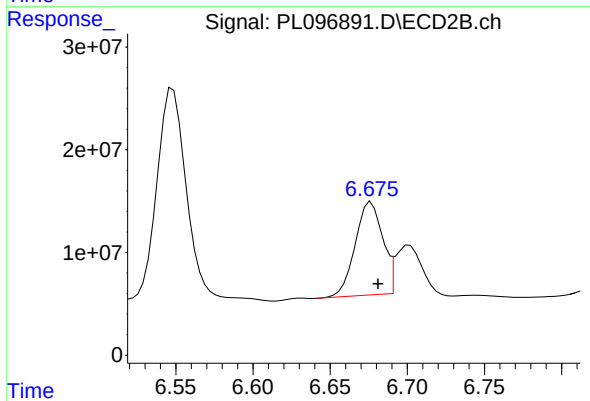
#19 Endosulfan Sulfate

R.T.: 6.398 min  
Delta R.T.: -0.004 min  
Response: 214733701  
Conc: 42.22 ng/ml



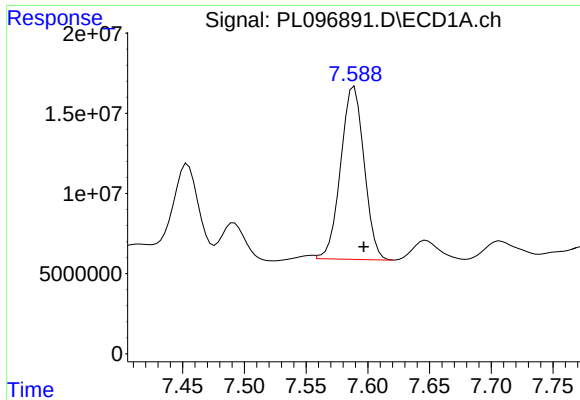
#20 Methoxychlor

R.T.: 7.453 min  
Delta R.T.: -0.010 min  
Response: 88621839  
Conc: 60.35 ng/ml m



#20 Methoxychlor

R.T.: 6.675 min  
Delta R.T.: -0.006 min  
Response: 112760354  
Conc: 41.15 ng/ml m



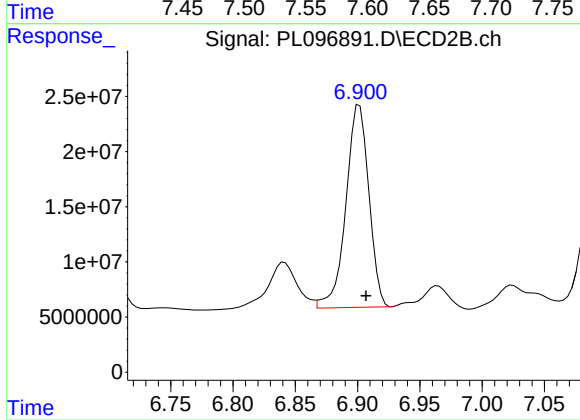
#21 Endrin ketone

R.T.: 7.588 min  
Delta R.T.: -0.009 min  
Response: 142336513  
Conc: 47.34 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
VNJ-210MSD

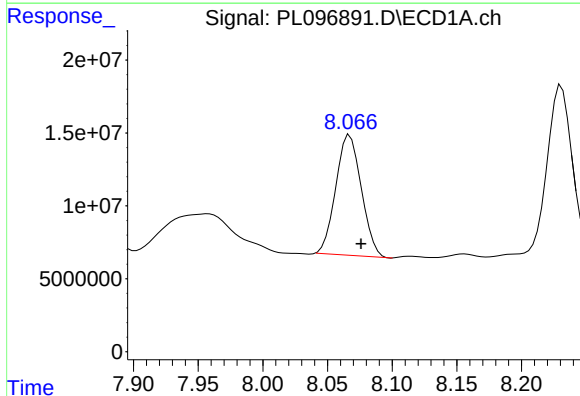
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 08/20/2025  
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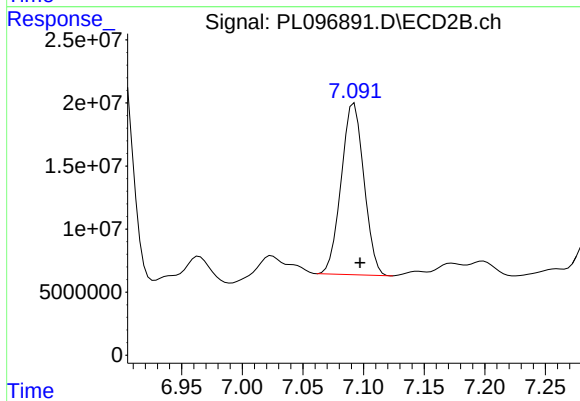
#21 Endrin ketone

R.T.: 6.902 min  
Delta R.T.: -0.005 min  
Response: 236489481  
Conc: 42.46 ng/ml



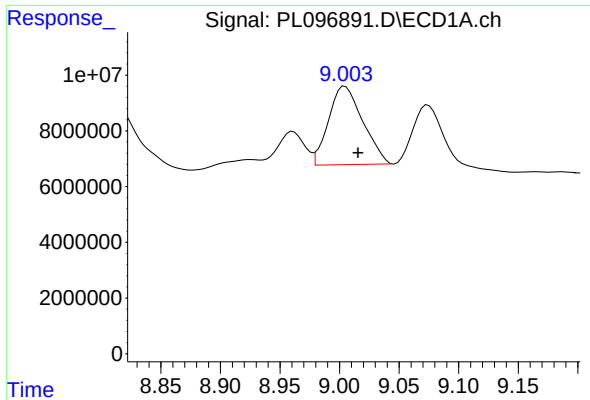
#22 Mirex

R.T.: 8.067 min  
Delta R.T.: -0.009 min  
Response: 113278687  
Conc: 45.69 ng/ml



#22 Mirex

R.T.: 7.092 min  
Delta R.T.: -0.005 min  
Response: 177226306  
Conc: 40.64 ng/ml



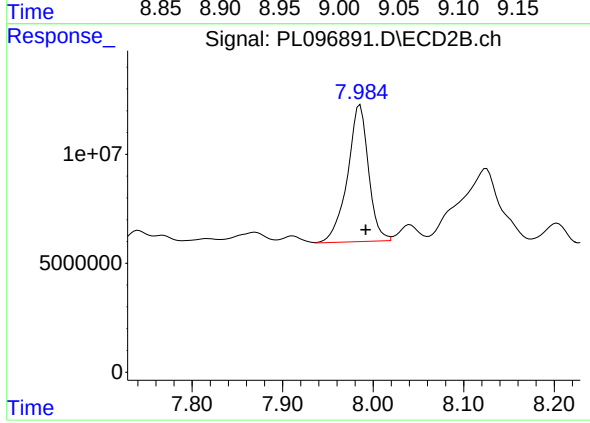
#28 Decachlorobiphenyl

R.T.: 9.003 min  
Delta R.T.: -0.013 min  
Response: 55945594  
Conc: 23.46 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
VNJ-210MSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 08/20/2025  
Supervised By :mohammad ahmed 08/21/2025



#28 Decachlorobiphenyl

R.T.: 7.984 min  
Delta R.T.: -0.008 min  
Response: 101522137  
Conc: 23.40 ng/ml m