

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD072825\  
 Data File : PD089656.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jul 2025 16:46  
 Operator : AR\AJ  
 Sample : Q2706-03MS  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 ETGI-361MS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/29/2025  
 Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jul 29 01:34:25 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD072125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jul 22 04:39:29 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|----------|
| -----                       |                 |       |       |          |          |         |          |
| System Monitoring Compounds |                 |       |       |          |          |         |          |
| 1)                          | SA Tetrachlo... | 3.551 | 2.879 | 37799819 | 245.7E6  | 13.119  | 12.557m  |
| 2)                          | SA Decachlor... | 9.071 | 8.067 | 34116432 | 150.8E6  | 8.307m  | 6.140m#  |
| Target Compounds            |                 |       |       |          |          |         |          |
| 2)                          | A alpha-BHC     | 3.999 | 3.391 | 237.1E6  | 1142.9E6 | 41.529  | 38.039m  |
| 3)                          | MA gamma-BHC... | 4.330 | 3.728 | 230.2E6  | 1050.7E6 | 41.719  | 37.848   |
| 4)                          | MA Heptachlor   | 4.929 | 4.081 | 213.2E6  | 1006.0E6 | 39.100  | 35.904   |
| 5)                          | MB Aldrin       | 5.270 | 4.367 | 203.7E6  | 997.1E6  | 38.926  | 36.410   |
| 6)                          | B beta-BHC      | 4.516 | 4.024 | 85308044 | 446.4E6  | 39.565  | 37.501   |
| 7)                          | B delta-BHC     | 4.764 | 4.261 | 226.6E6  | 1028.8E6 | 42.866  | 36.881   |
| 8)                          | B Heptachlo...  | 5.689 | 4.870 | 190.1E6  | 968.2E6  | 40.250m | 38.942   |
| 9)                          | A Endosulfan I  | 6.074 | 5.245 | 163.8E6  | 809.3E6  | 36.848  | 34.081   |
| 10)                         | B gamma-Chl...  | 5.946 | 5.122 | 200.6E6  | 1021.5E6 | 42.312  | 38.182m  |
| 11)                         | B alpha-Chl...  | 6.027 | 5.188 | 233.4E6  | 1039.9E6 | 48.959  | 40.318   |
| 12)                         | B 4,4'-DDE      | 6.195 | 5.372 | 150.7E6  | 867.6E6  | 35.106  | 33.044   |
| 13)                         | MA Dieldrin     | 6.346 | 5.510 | 170.8E6  | 873.3E6  | 36.188  | 33.046   |
| 14)                         | MA Endrin       | 6.574 | 5.787 | 145.7E6  | 793.7E6  | 35.778  | 32.821   |
| 15)                         | B Endosulfa...  | 6.785 | 6.078 | 135.9E6  | 711.6E6  | 33.396  | 30.980   |
| 16)                         | A 4,4'-DDD      | 6.704 | 5.927 | 127.8E6  | 652.2E6  | 37.711  | 29.751   |
| 17)                         | MA 4,4'-DDT     | 7.020 | 6.181 | 121.7E6  | 677.9E6  | 32.265  | 28.962   |
| 18)                         | B Endrin al...  | 6.914 | 6.256 | 105.4E6  | 510.8E6  | 36.148  | 30.777   |
| 19)                         | B Endosulfa...  | 7.149 | 6.480 | 122.8E6  | 646.8E6  | 32.528  | 29.138   |
| 20)                         | A Methoxychlor  | 7.491 | 6.750 | 71222020 | 319.7E6  | 35.524m | 26.221m# |
| 21)                         | B Endrin ke...  | 7.629 | 6.989 | 136.7E6  | 631.4E6  | 33.958  | 25.783   |
| 22)                         | Mirex           | 8.113 | 7.183 | 96620993 | 459.7E6  | 31.409  | 23.781   |
| -----                       |                 |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD072825\  
Data File : PD089656.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jul 2025 16:46  
Operator : AR\AJ  
Sample : Q2706-03MS  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

## Instrument :

ECD\_D

ClientSampleId :

ETGI-361MS

## Manual Integrations

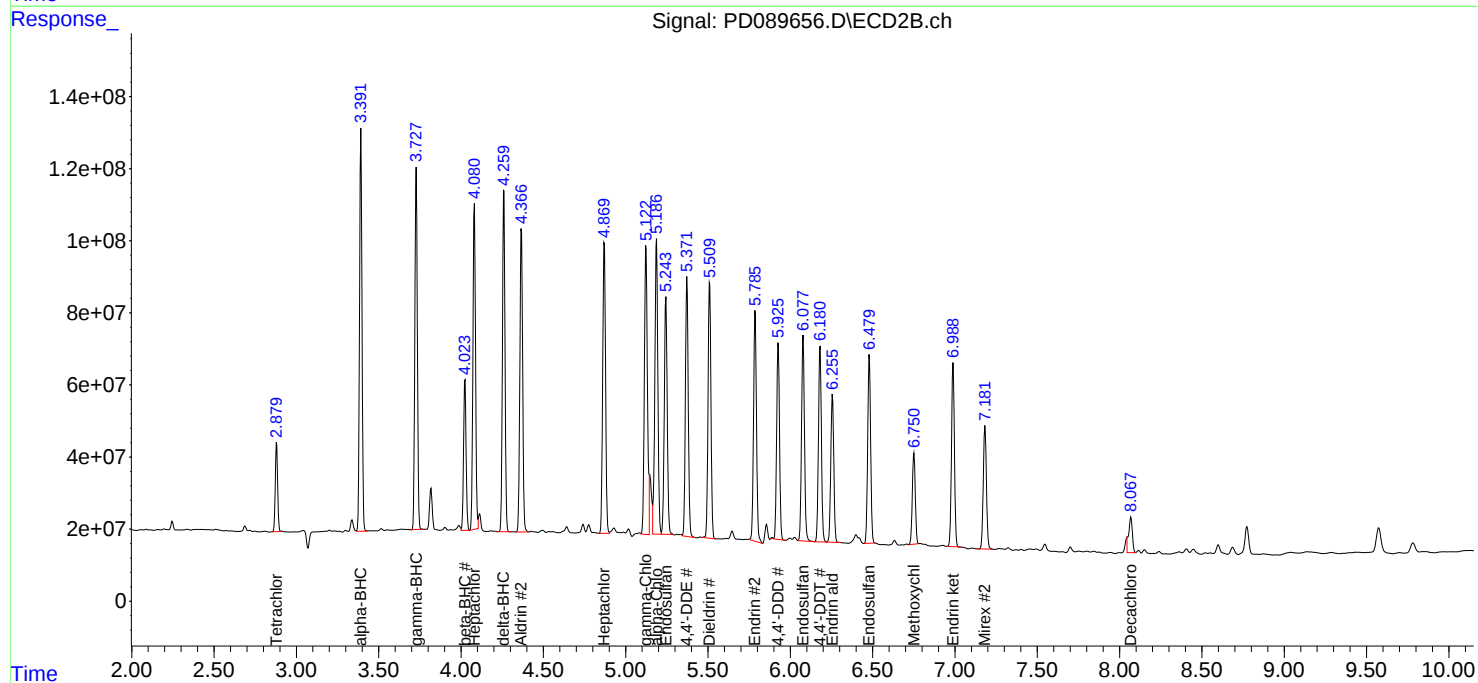
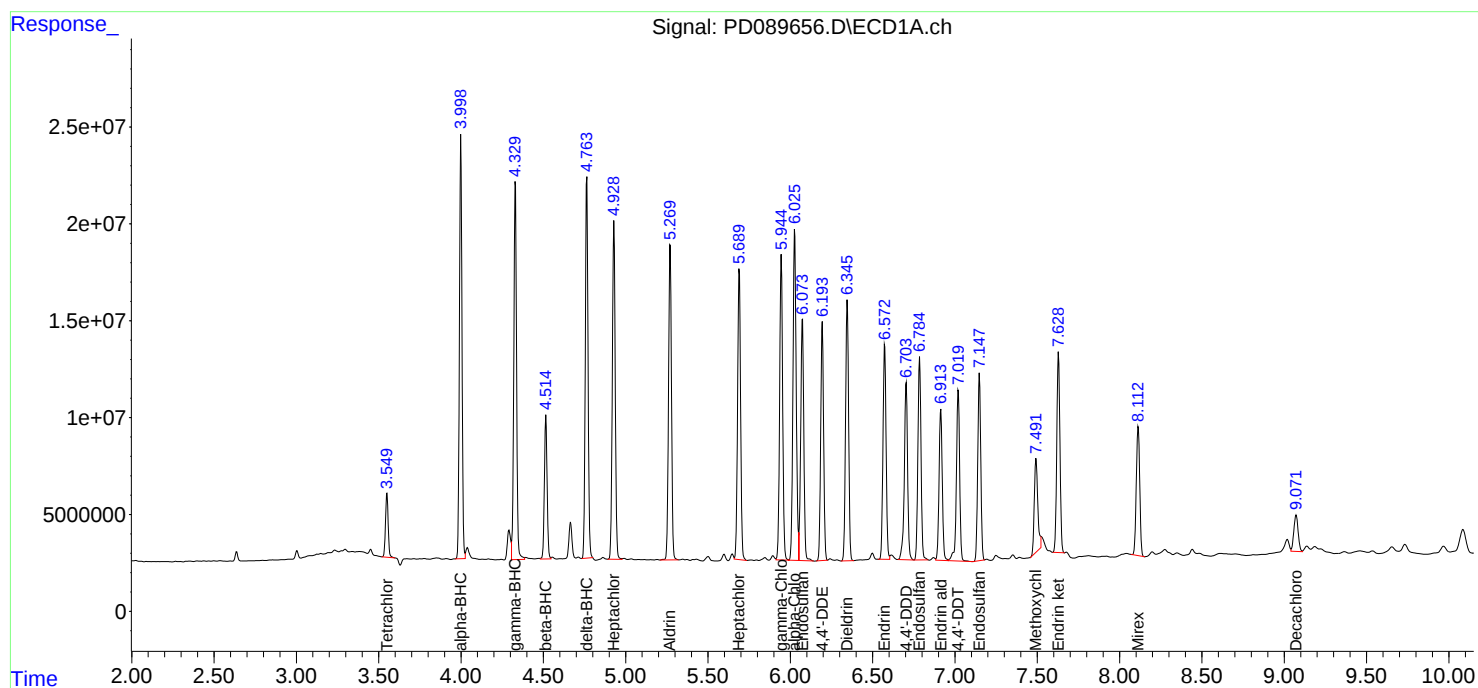
APPROVED

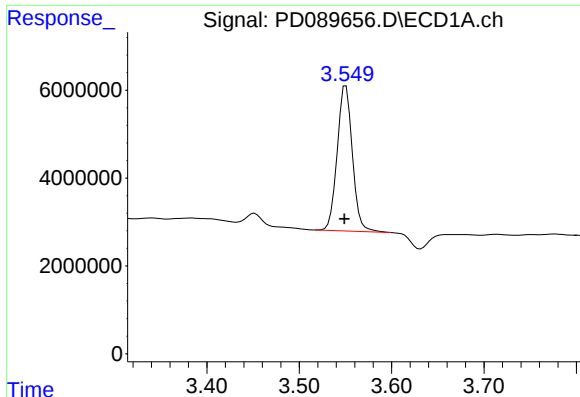
Reviewed By :Yogesh Patel 07/29/2025

Supervised By :mohammad ahmed 07/30/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jul 29 01:34:25 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD072125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jul 22 04:39:29 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 x 0.25µm





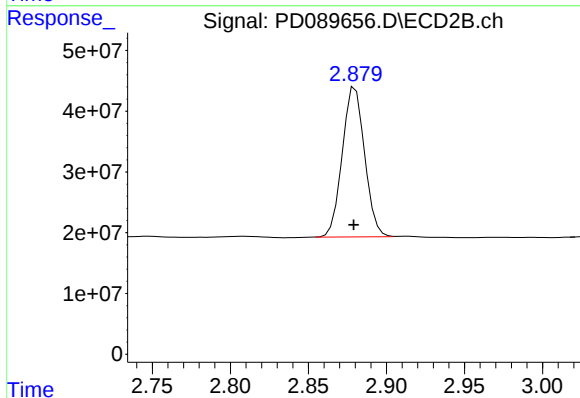
#1 Tetrachloro-m-xylene

R.T.: 3.551 min  
Delta R.T.: 0.002 min  
Response: 37799819  
Conc: 13.12 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ETGI-361MS

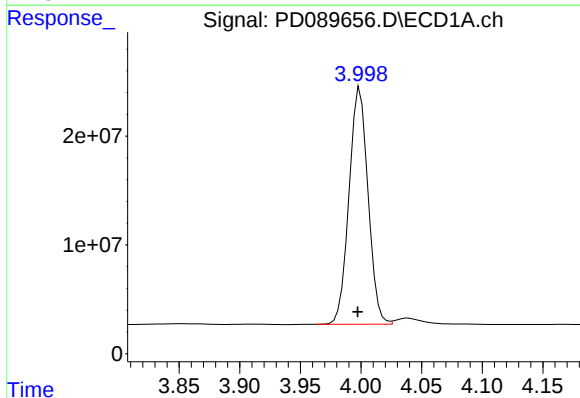
Manual Integrations  
APPROVED

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Supervised By :mohammad ahmed 07/30/2025



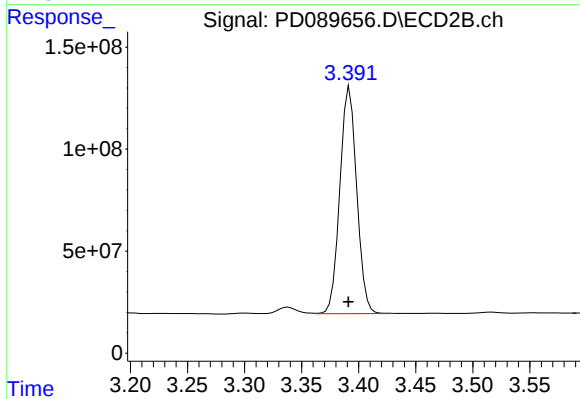
#1 Tetrachloro-m-xylene

R.T.: 2.879 min  
Delta R.T.: 0.000 min  
Response: 245686394  
Conc: 12.56 ng/ml m



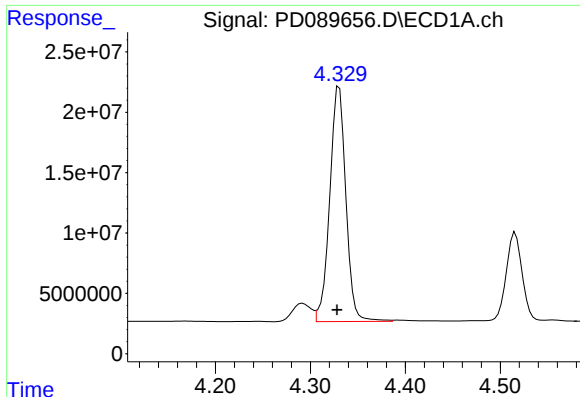
#2 alpha-BHC

R.T.: 3.999 min  
Delta R.T.: 0.002 min  
Response: 237111007  
Conc: 41.53 ng/ml



#2 alpha-BHC

R.T.: 3.391 min  
Delta R.T.: 0.000 min  
Response: 1142882111  
Conc: 38.04 ng/ml m



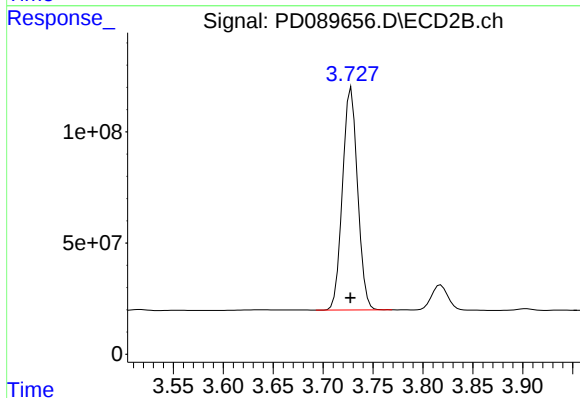
#3 gamma-BHC (Lindane)

R.T.: 4.330 min  
Delta R.T.: 0.002 min  
Response: 230181361  
Conc: 41.72 ng/ml

Instrument :  
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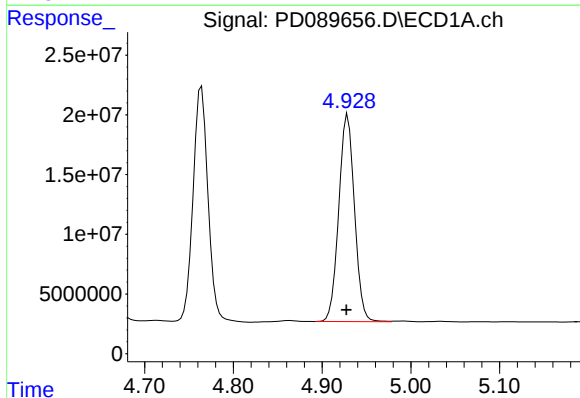
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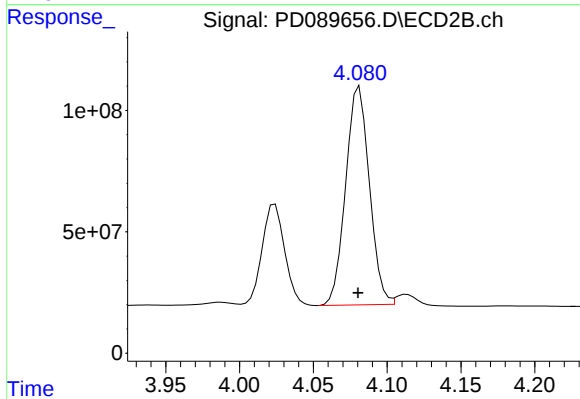
#3 gamma-BHC (Lindane)

R.T.: 3.728 min  
Delta R.T.: 0.000 min  
Response: 1050739636  
Conc: 37.85 ng/ml



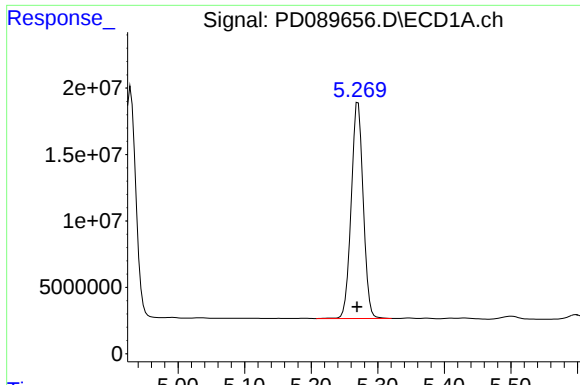
#4 Heptachlor

R.T.: 4.929 min  
Delta R.T.: 0.002 min  
Response: 213245178  
Conc: 39.10 ng/ml



#4 Heptachlor

R.T.: 4.081 min  
Delta R.T.: 0.000 min  
Response: 1005963114  
Conc: 35.90 ng/ml



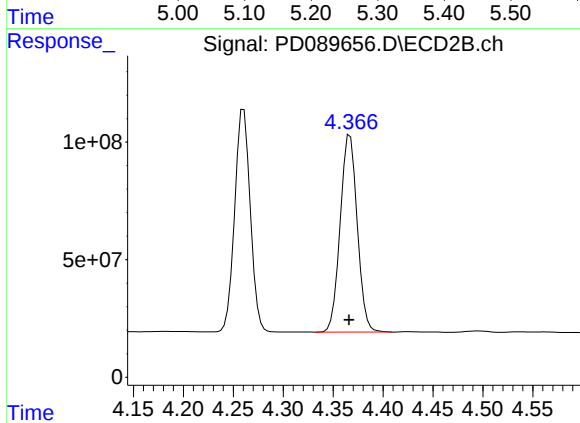
#5 Aldrin

R.T.: 5.270 min  
Delta R.T.: 0.001 min  
Response: 203699125  
Conc: 38.93 ng/ml

Instrument :  
ECD\_D  
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ETGI-361MS

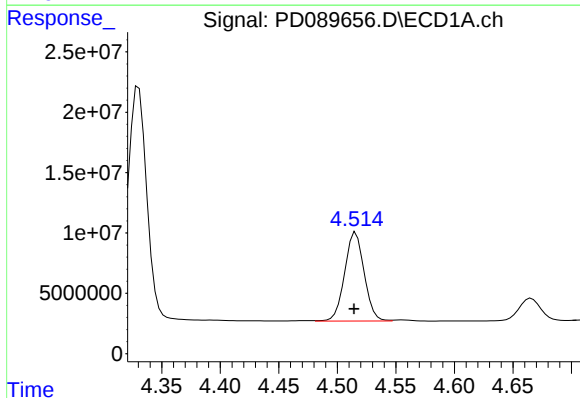
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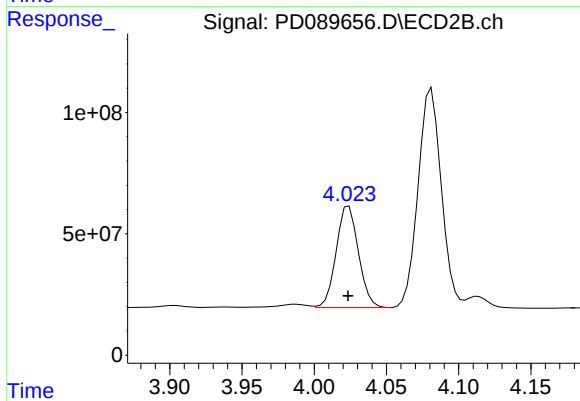
#5 Aldrin

R.T.: 4.367 min  
Delta R.T.: 0.000 min  
Response: 997140548  
Conc: 36.41 ng/ml



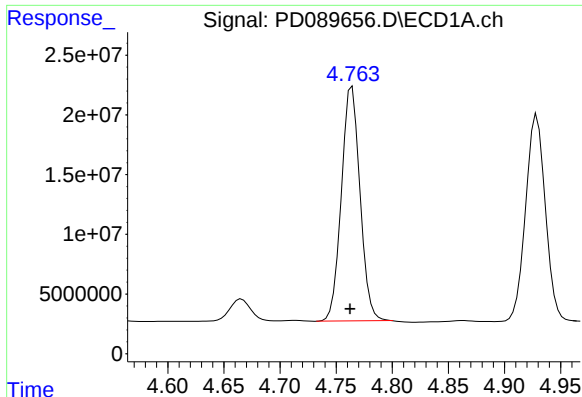
#6 beta-BHC

R.T.: 4.516 min  
Delta R.T.: 0.002 min  
Response: 85308044  
Conc: 39.57 ng/ml



#6 beta-BHC

R.T.: 4.024 min  
Delta R.T.: 0.000 min  
Response: 446356937  
Conc: 37.50 ng/ml



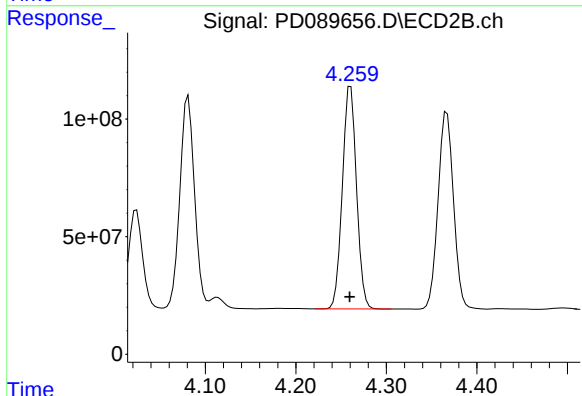
#7 delta-BHC

R.T.: 4.764 min  
Delta R.T.: 0.002 min  
Response: 226552136  
Conc: 42.87 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ETGI-361MS

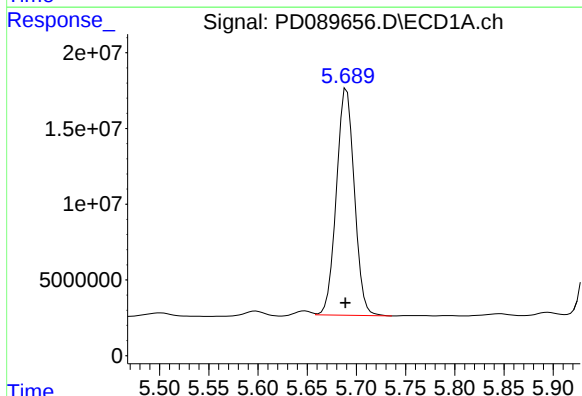
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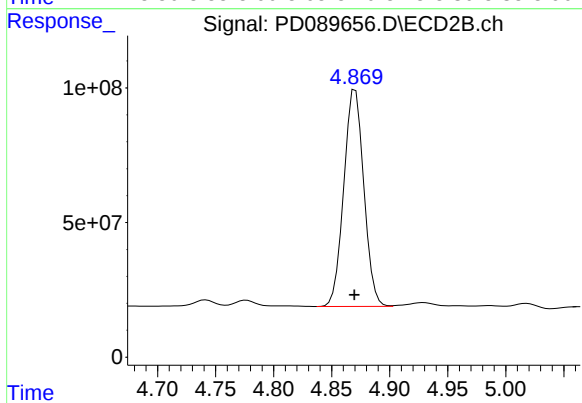
#7 delta-BHC

R.T.: 4.261 min  
Delta R.T.: 0.001 min  
Response: 1028837618  
Conc: 36.88 ng/ml



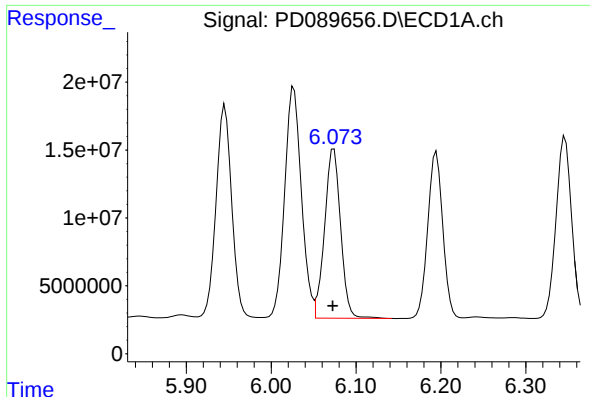
#8 Heptachlor epoxide

R.T.: 5.689 min  
Delta R.T.: 0.000 min  
Response: 190126776  
Conc: 40.25 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.870 min  
Delta R.T.: 0.000 min  
Response: 968156123  
Conc: 38.94 ng/ml



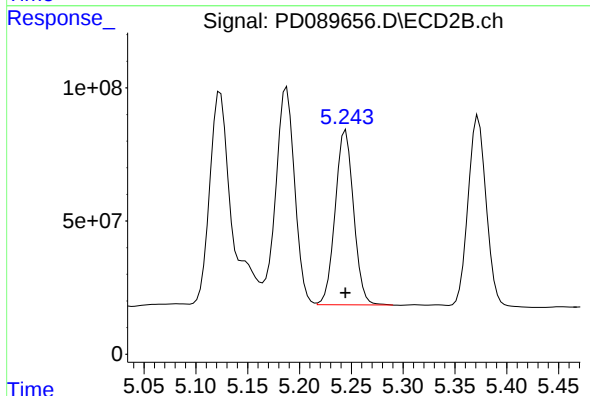
#9 Endosulfan I

R.T.: 6.074 min  
Delta R.T.: 0.001 min  
Response: 163812574  
Conc: 36.85 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ETGI-361MS

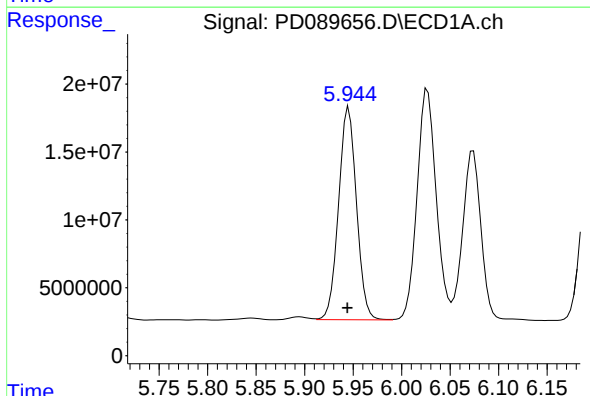
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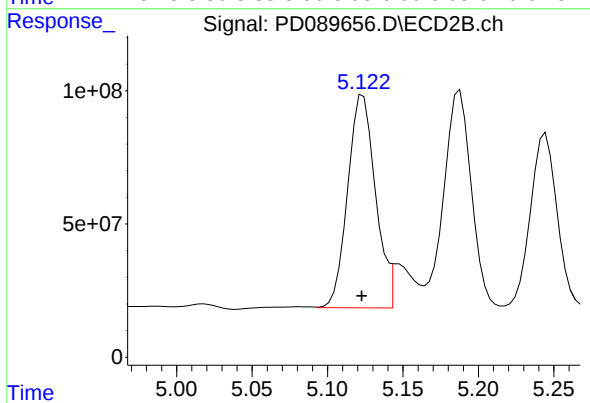
#9 Endosulfan I

R.T.: 5.245 min  
Delta R.T.: 0.000 min  
Response: 809291526  
Conc: 34.08 ng/ml



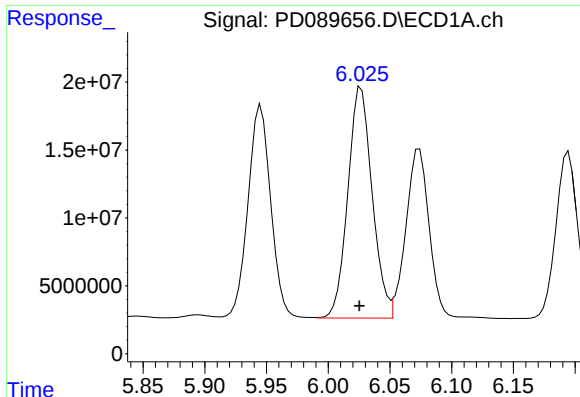
#10 gamma-Chlordane

R.T.: 5.946 min  
Delta R.T.: 0.001 min  
Response: 200603957  
Conc: 42.31 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min  
Delta R.T.: 0.000 min  
Response: 1021478436  
Conc: 38.18 ng/ml m



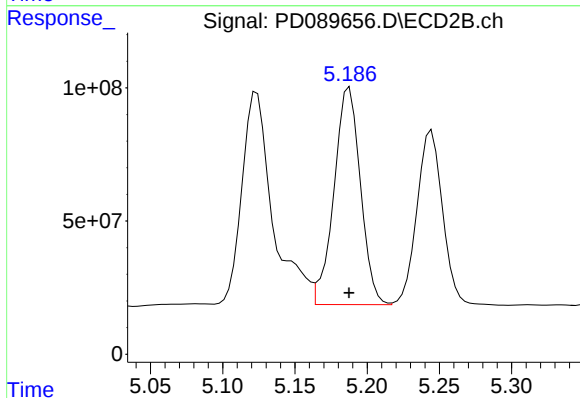
#11 alpha-Chlordane

R.T.: 6.027 min  
Delta R.T.: 0.001 min  
Response: 233371371  
Conc: 48.96 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ETGI-361MS

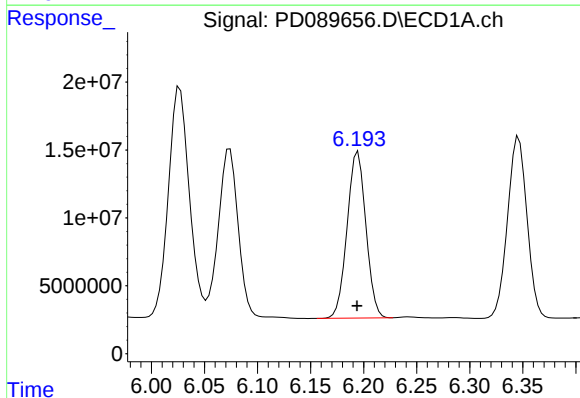
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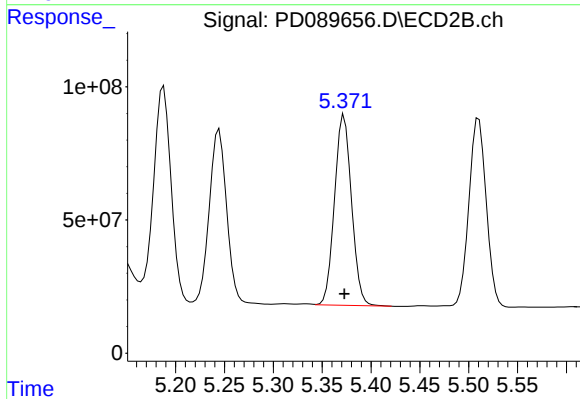
#11 alpha-Chlordane

R.T.: 5.188 min  
Delta R.T.: 0.000 min  
Response: 1039877575  
Conc: 40.32 ng/ml



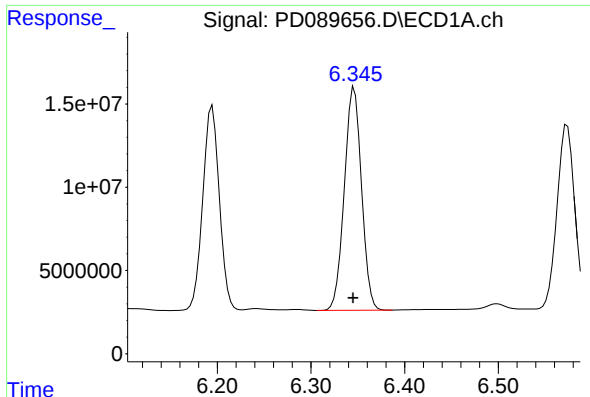
#12 4,4'-DDE

R.T.: 6.195 min  
Delta R.T.: 0.000 min  
Response: 150740509  
Conc: 35.11 ng/ml



#12 4,4'-DDE

R.T.: 5.372 min  
Delta R.T.: 0.000 min  
Response: 867610739  
Conc: 33.04 ng/ml



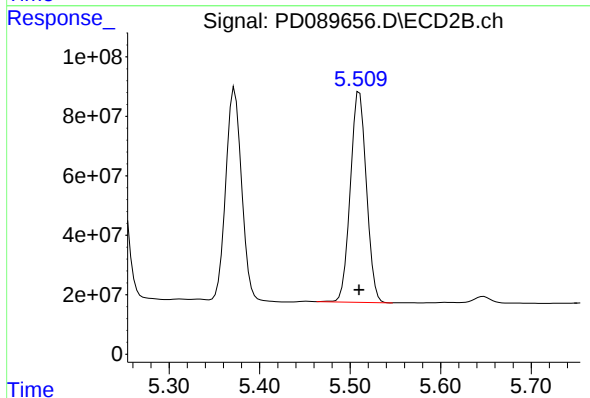
#13 Dieldrin

R.T.: 6.346 min  
Delta R.T.: 0.001 min  
Response: 170833294  
Conc: 36.19 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ETGI-361MS

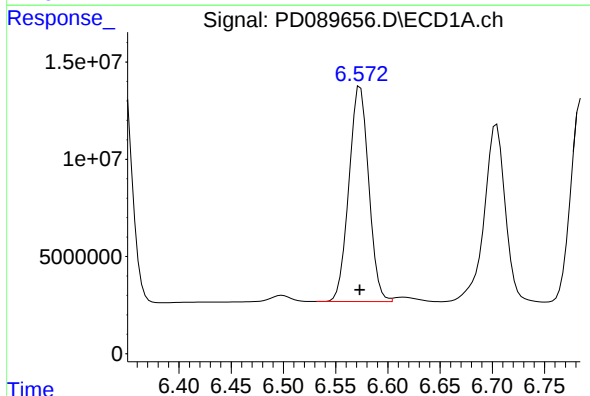
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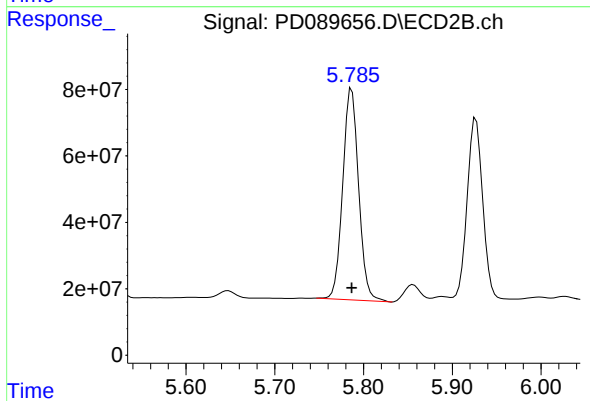
#13 Dieldrin

R.T.: 5.510 min  
Delta R.T.: 0.000 min  
Response: 873298612  
Conc: 33.05 ng/ml



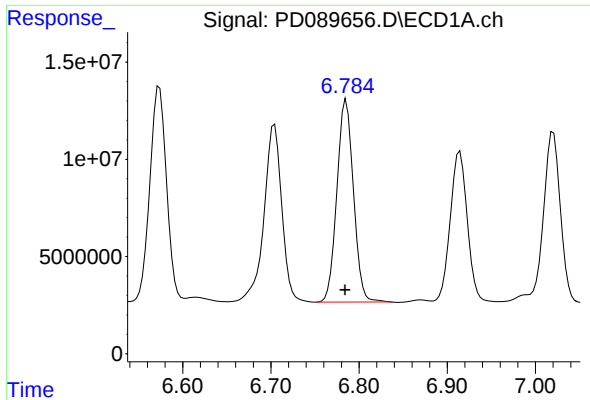
#14 Endrin

R.T.: 6.574 min  
Delta R.T.: 0.000 min  
Response: 145706939  
Conc: 35.78 ng/ml



#14 Endrin

R.T.: 5.787 min  
Delta R.T.: 0.000 min  
Response: 793665093  
Conc: 32.82 ng/ml



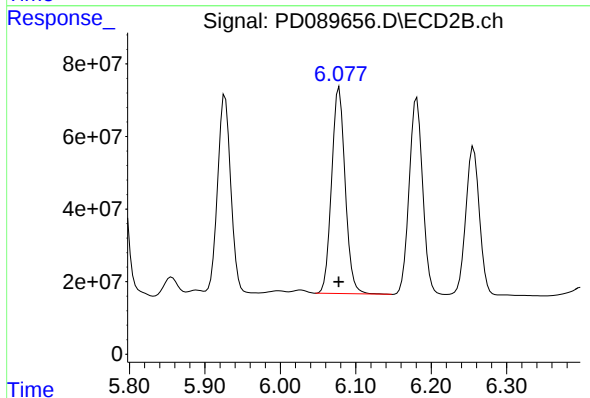
#15 Endosulfan II

R.T.: 6.785 min  
Delta R.T.: 0.001 min  
Response: 135884998  
Conc: 33.40 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ETGI-361MS

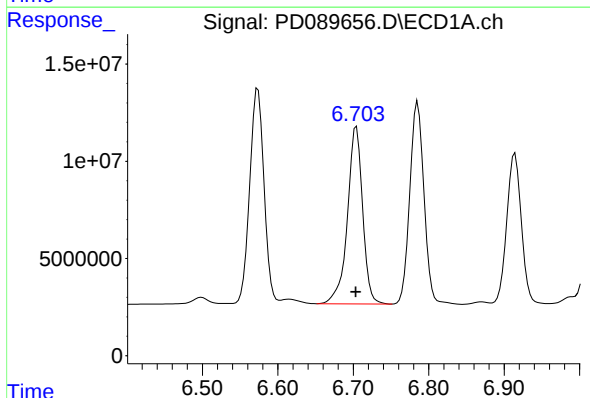
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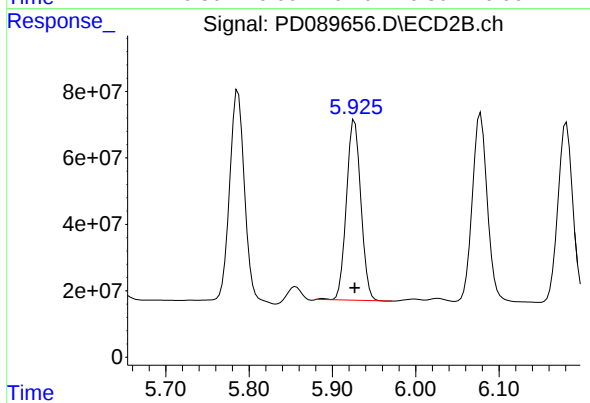
#15 Endosulfan II

R.T.: 6.078 min  
Delta R.T.: 0.000 min  
Response: 711552581  
Conc: 30.98 ng/ml



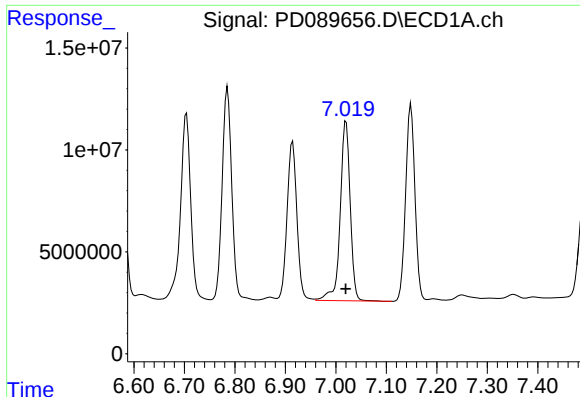
#16 4,4'-DDD

R.T.: 6.704 min  
Delta R.T.: 0.000 min  
Response: 127793528  
Conc: 37.71 ng/ml



#16 4,4'-DDD

R.T.: 5.927 min  
Delta R.T.: 0.000 min  
Response: 652198662  
Conc: 29.75 ng/ml



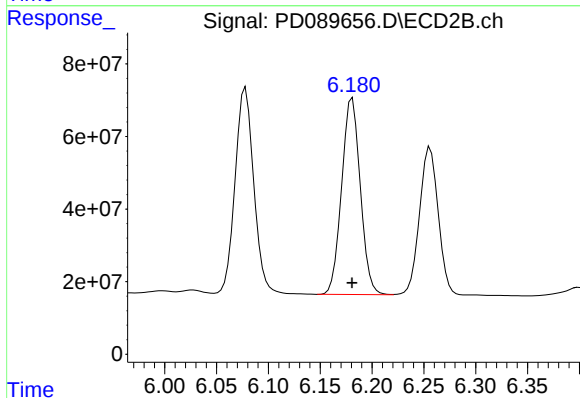
#17 4,4'-DDT

R.T.: 7.020 min  
Delta R.T.: 0.000 min  
Response: 121732749  
Conc: 32.26 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ETGI-361MS

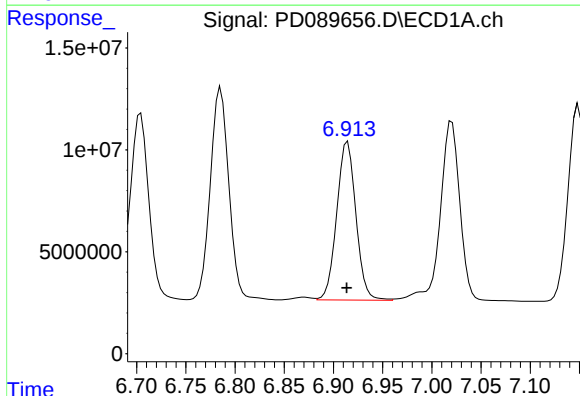
Manual Integrations  
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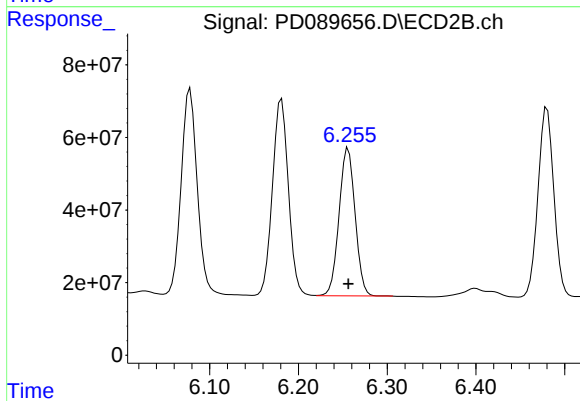
#17 4,4'-DDT

R.T.: 6.181 min  
Delta R.T.: 0.000 min  
Response: 677914515  
Conc: 28.96 ng/ml



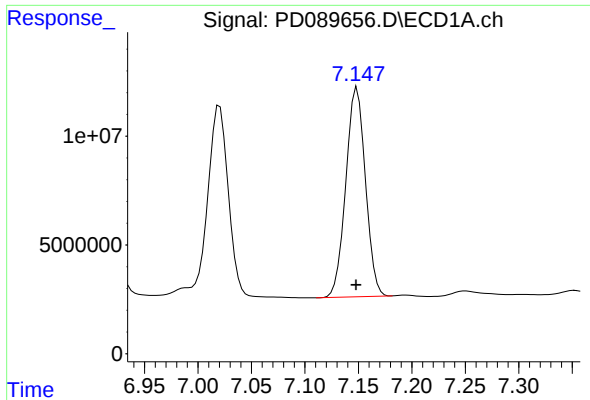
#18 Endrin aldehyde

R.T.: 6.914 min  
Delta R.T.: 0.000 min  
Response: 105394166  
Conc: 36.15 ng/ml



#18 Endrin aldehyde

R.T.: 6.256 min  
Delta R.T.: 0.000 min  
Response: 510812691  
Conc: 30.78 ng/ml



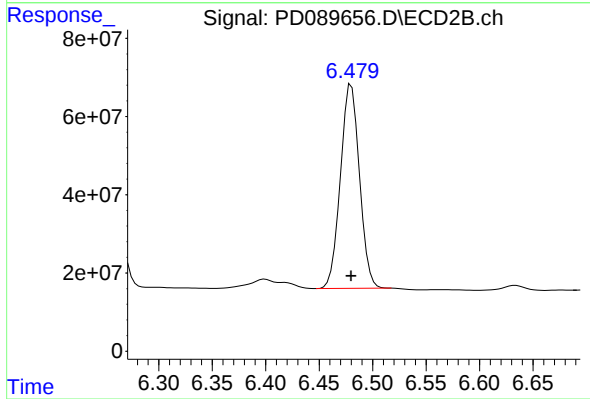
#19 Endosulfan Sulfate

R.T.: 7.149 min  
Delta R.T.: 0.001 min  
Response: 122767368  
Conc: 32.53 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ETGI-361MS

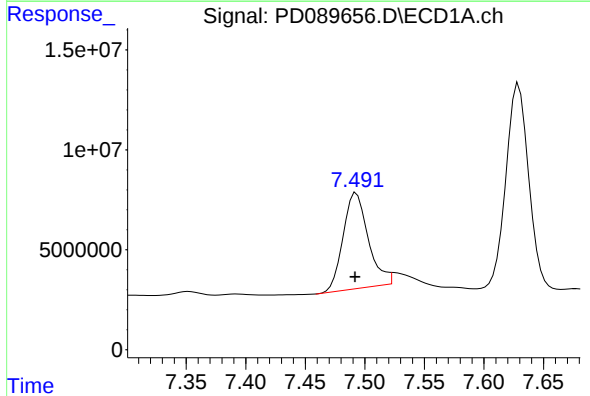
Manual Integrations  
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Reviewed By :Yogesh Patel 07/29/2025  
Supervised By :mohammad ahmed 07/30/2025



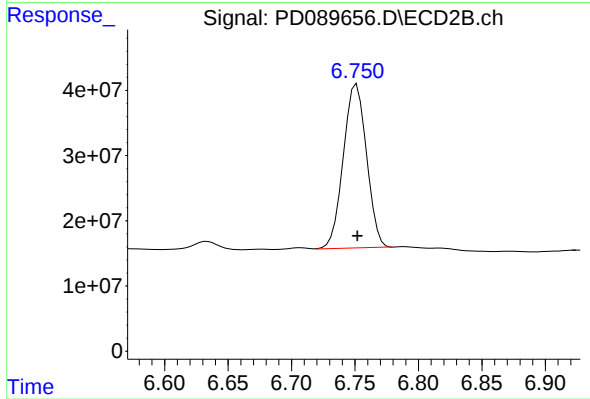
#19 Endosulfan Sulfate

R.T.: 6.480 min  
Delta R.T.: 0.000 min  
Response: 646805737  
Conc: 29.14 ng/ml



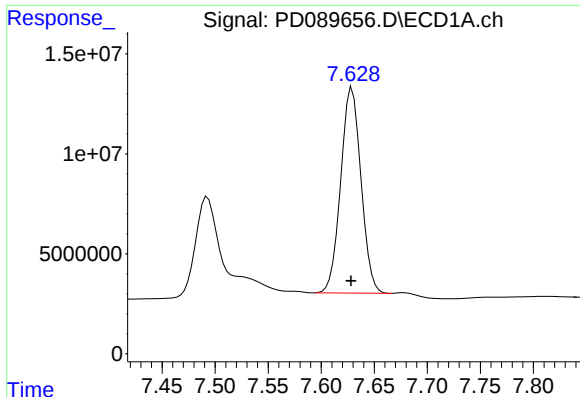
#20 Methoxychlor

R.T.: 7.491 min  
Delta R.T.: 0.000 min  
Response: 71222020  
Conc: 35.52 ng/ml m



#20 Methoxychlor

R.T.: 6.750 min  
Delta R.T.: -0.002 min  
Response: 319685073  
Conc: 26.22 ng/ml m



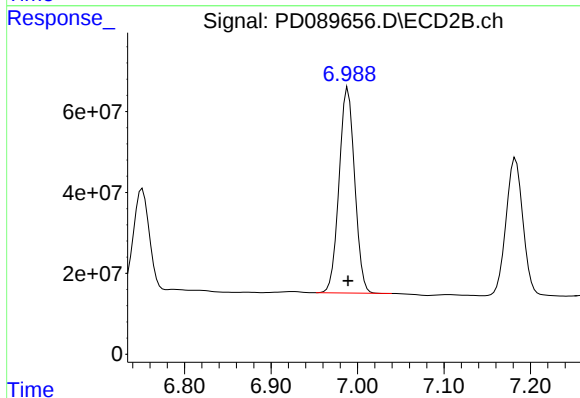
#21 Endrin ketone

R.T.: 7.629 min  
Delta R.T.: 0.001 min  
Response: 136655260  
Conc: 33.96 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ETGI-361MS

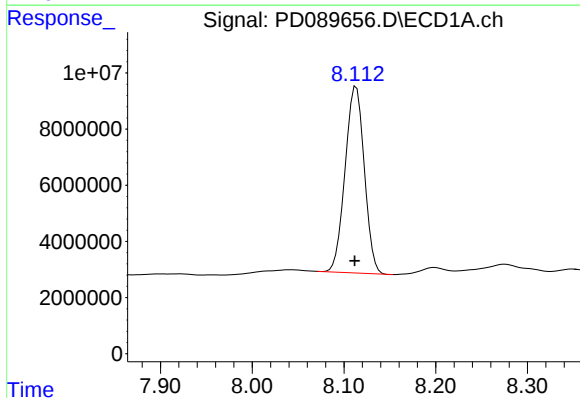
Manual Integrations  
APPROVED

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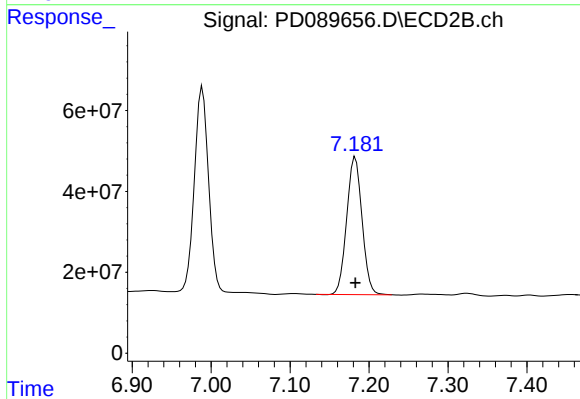
#21 Endrin ketone

R.T.: 6.989 min  
Delta R.T.: 0.000 min  
Response: 631408143  
Conc: 25.78 ng/ml



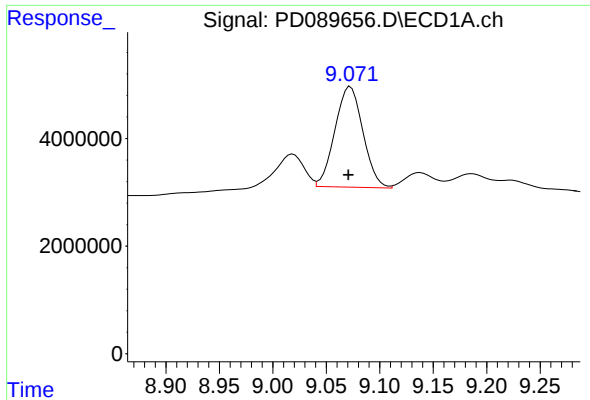
#22 Mirex

R.T.: 8.113 min  
Delta R.T.: 0.002 min  
Response: 96620993  
Conc: 31.41 ng/ml



#22 Mirex

R.T.: 7.183 min  
Delta R.T.: 0.000 min  
Response: 459671943  
Conc: 23.78 ng/ml



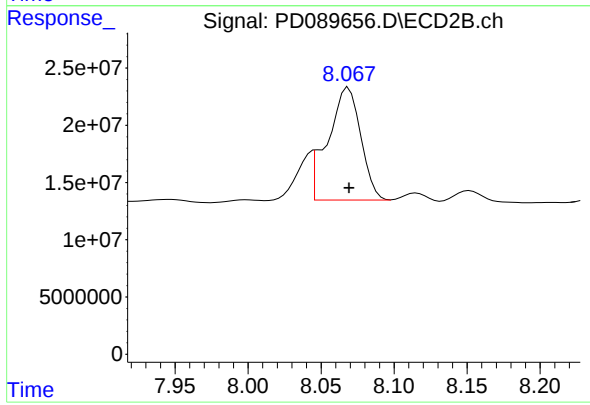
#28 Decachlorobiphenyl

R.T.: 9.071 min  
Delta R.T.: 0.000 min  
Response: 34116432  
Conc: 8.31 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
ETGI-361MS

Manual Integrations  
APPROVED

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#28 Decachlorobiphenyl

R.T.: 8.067 min  
Delta R.T.: -0.002 min  
Response: 150844274  
Conc: 6.14 ng/ml m