

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD090425\  
 Data File : PD090158.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 04 Sep 2025 18:36  
 Operator : AR\AJ  
 Sample : Q3009-01MSD 10X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 TR-04-090325MSD

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 09/05/2025  
 Supervised By :mohammad ahmed 09/09/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 05 02:04:46 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD081825.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Aug 19 13:16:54 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...          | 3.548 | 2.876 | 4330974  | 50332510 | 1.476m | 2.283m# |
| 28) SA Decachlor...         | 9.070 | 8.065 | 6911362  | 41925089 | 1.601m | 1.620   |
| Target Compounds            |       |       |          |          |        |         |
| 2) A alpha-BHC              | 3.998 | 3.388 | 26705350 | 174.1E6  | 4.449  | 5.129m  |
| 3) MA gamma-BHC...          | 4.328 | 3.725 | 27144261 | 173.7E6  | 4.740m | 5.573   |
| 4) MA Heptachlor            | 4.928 | 4.078 | 27490933 | 180.1E6  | 4.901  | 5.774   |
| 5) MB Aldrin                | 5.269 | 4.363 | 26248227 | 172.8E6  | 4.848  | 5.673   |
| 6) B beta-BHC               | 4.516 | 4.021 | 11726288 | 85480929 | 5.228  | 6.413   |
| 7) B delta-BHC              | 4.765 | 4.257 | 24986738 | 142.7E6  | 4.826  | 4.524   |
| 8) B Heptachlo...           | 5.688 | 4.867 | 25260070 | 168.4E6  | 5.148m | 6.081   |
| 9) A Endosulfan I           | 6.072 | 5.242 | 24102777 | 151.7E6  | 5.223  | 5.786   |
| 10) B gamma-Chl...          | 5.942 | 5.119 | 24358433 | 167.1E6  | 4.980m | 5.644m  |
| 11) B alpha-Chl...          | 6.025 | 5.185 | 24687612 | 167.7E6  | 5.015  | 5.877   |
| 12) B 4,4'-DDE              | 6.194 | 5.370 | 20398299 | 162.6E6  | 4.648  | 5.640   |
| 13) MA Dieldrin             | 6.345 | 5.507 | 23488308 | 172.1E6  | 4.798  | 5.875   |
| 14) MA Endrin               | 6.573 | 5.783 | 20074194 | 152.5E6  | 4.845  | 5.726m  |
| 15) B Endosulfa...          | 6.785 | 6.074 | 20162842 | 139.0E6  | 4.778  | 5.497m  |
| 16) A 4,4'-DDD              | 6.703 | 5.924 | 17382539 | 129.3E6  | 5.025  | 5.376   |
| 17) MA 4,4'-DDT             | 7.020 | 6.178 | 17778316 | 121.6E6  | 4.667  | 4.849   |
| 18) B Endrin al...          | 6.914 | 6.253 | 16845556 | 103.8E6  | 5.875  | 6.029   |
| 19) B Endosulfa...          | 7.149 | 6.477 | 18402660 | 125.1E6  | 4.696  | 5.131   |
| 20) A Methoxychlor          | 7.491 | 6.748 | 10433212 | 60988730 | 5.202  | 4.729   |
| 21) B Endrin ke...          | 7.629 | 6.986 | 19360165 | 133.8E6  | 4.671  | 5.023   |
| 22) Mirex                   | 8.112 | 7.178 | 16007253 | 103.3E6  | 5.074  | 5.001m  |
| -----                       |       |       |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD090425\  
Data File : PD090158.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 04 Sep 2025 18:36  
Operator : AR\AJ  
Sample : Q3009-01MSD 10X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

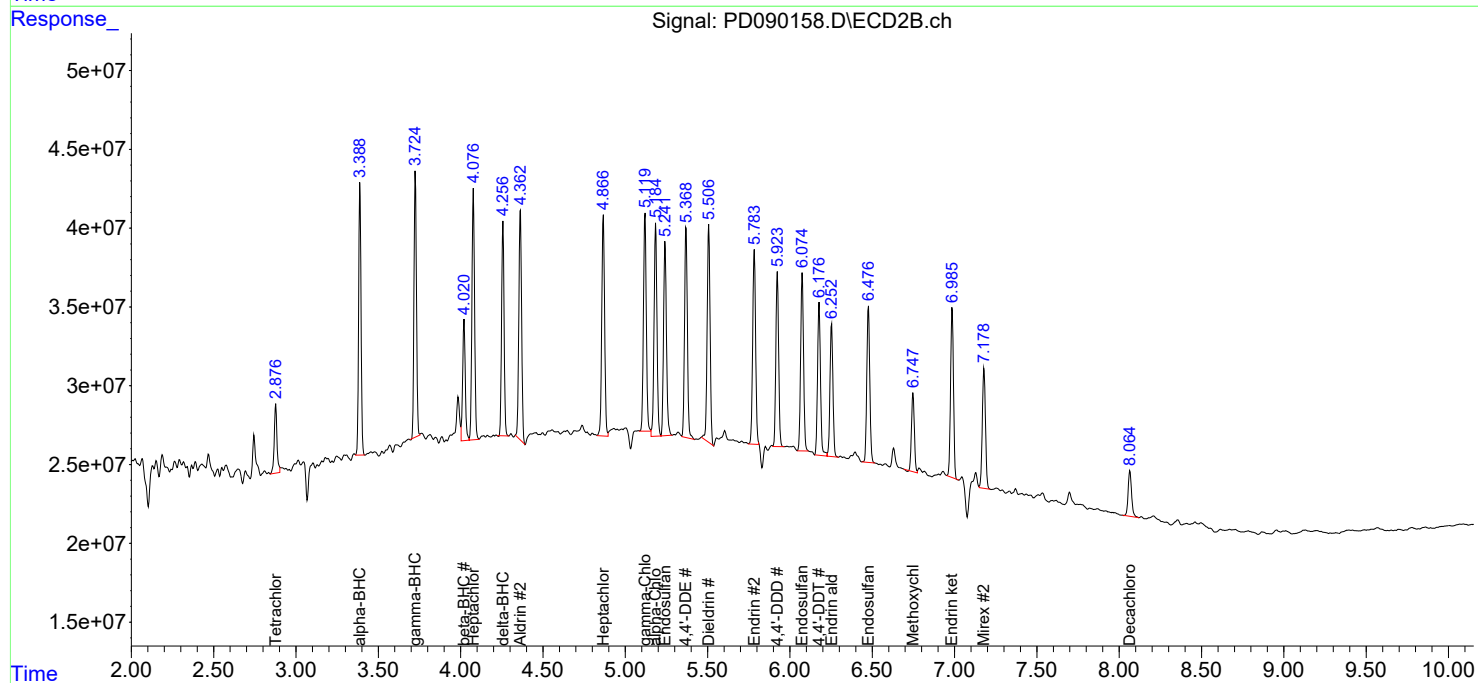
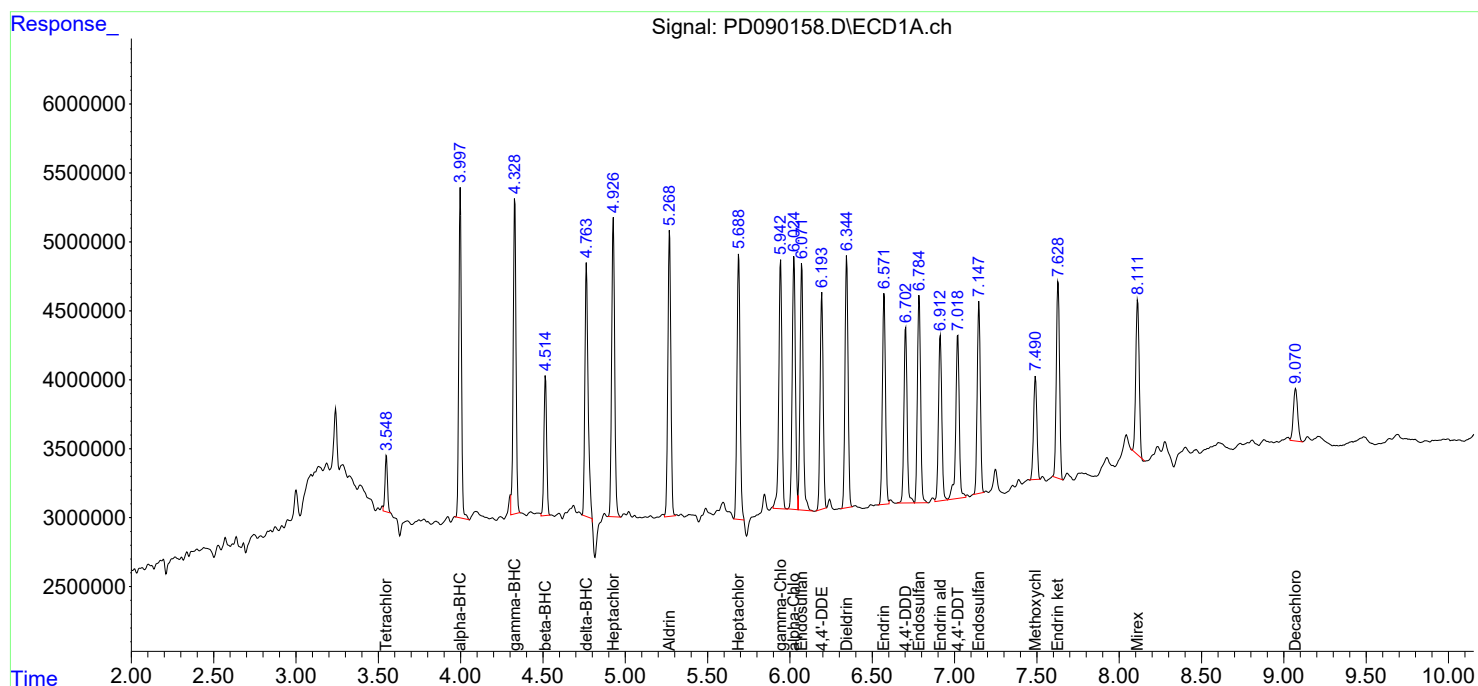
Instrument :  
ECD\_D  
ClientSampleId :  
TR-04-090325MSD

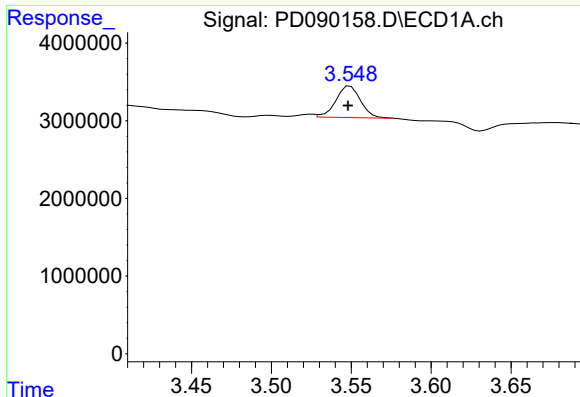
Manual Integrations  
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 05 02:04:46 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD081825.M  
Quant Title : GC Extractables  
QLast Update : Tue Aug 19 13:16:54 2025  
Response via : Initial Calibration  
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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





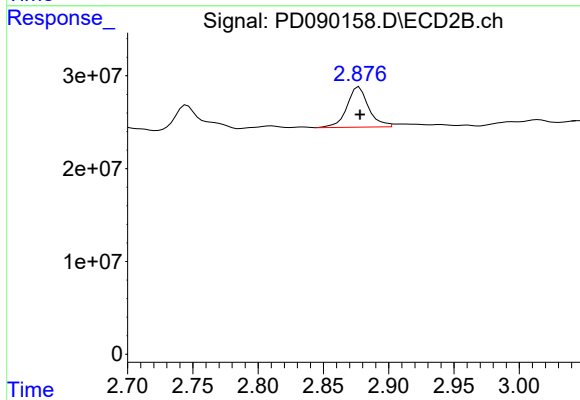
#1 Tetrachloro-m-xylene

R.T.: 3.548 min  
Delta R.T.: 0.000 min  
Response: 4330974  
Conc: 1.48 ng/ml

Instrument :  
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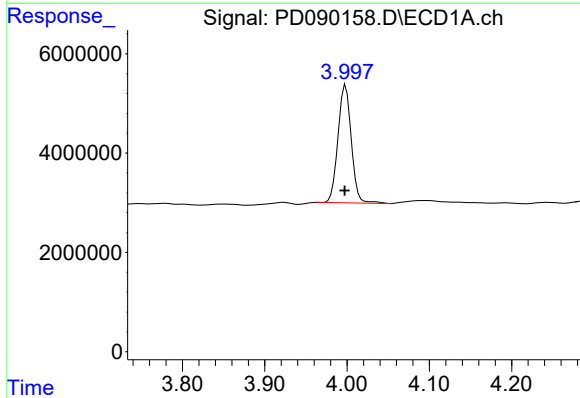
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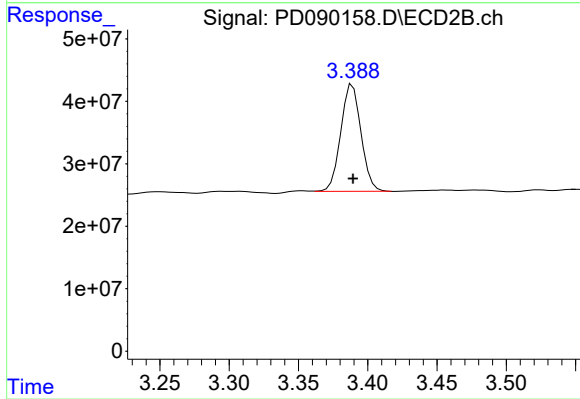
#1 Tetrachloro-m-xylene

R.T.: 2.876 min  
Delta R.T.: -0.002 min  
Response: 50332510  
Conc: 2.28 ng/ml m



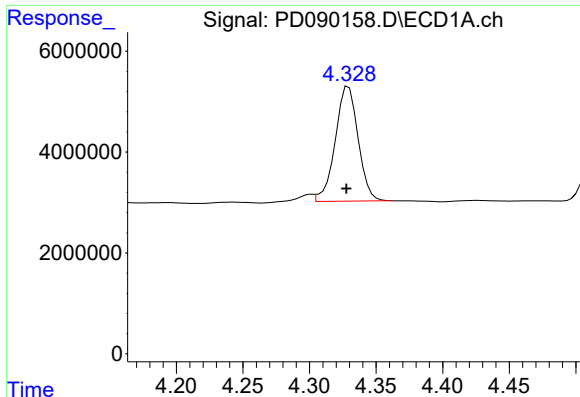
#2 alpha-BHC

R.T.: 3.998 min  
Delta R.T.: 0.001 min  
Response: 26705350  
Conc: 4.45 ng/ml



#2 alpha-BHC

R.T.: 3.388 min  
Delta R.T.: -0.002 min  
Response: 174080169  
Conc: 5.13 ng/ml m



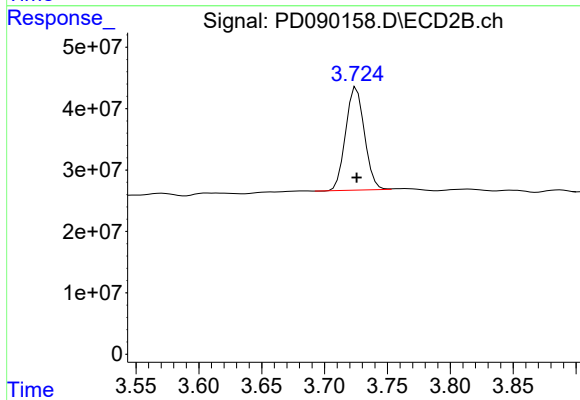
#3 gamma-BHC (Lindane)

R.T.: 4.328 min  
Delta R.T.: 0.000 min  
Response: 27144261  
Conc: 4.74 ng/ml

Instrument :  
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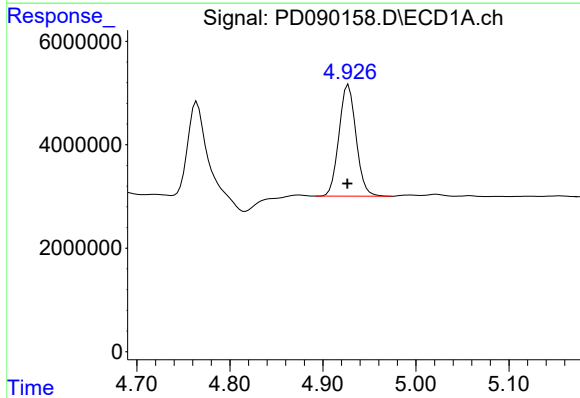
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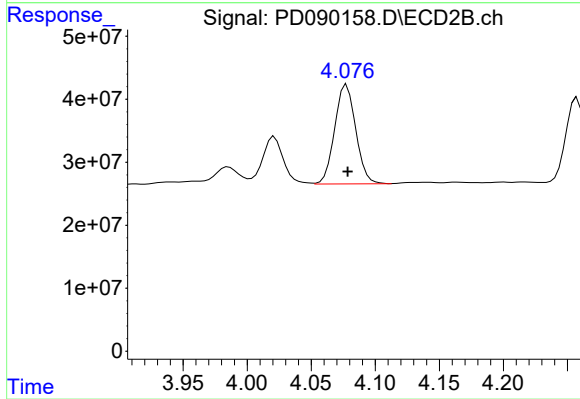
#3 gamma-BHC (Lindane)

R.T.: 3.725 min  
Delta R.T.: 0.000 min  
Response: 173721002  
Conc: 5.57 ng/ml



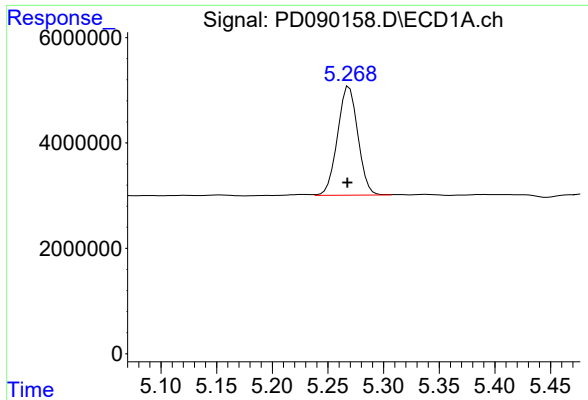
#4 Heptachlor

R.T.: 4.928 min  
Delta R.T.: 0.001 min  
Response: 27490933  
Conc: 4.90 ng/ml



#4 Heptachlor

R.T.: 4.078 min  
Delta R.T.: 0.000 min  
Response: 180099043  
Conc: 5.77 ng/ml



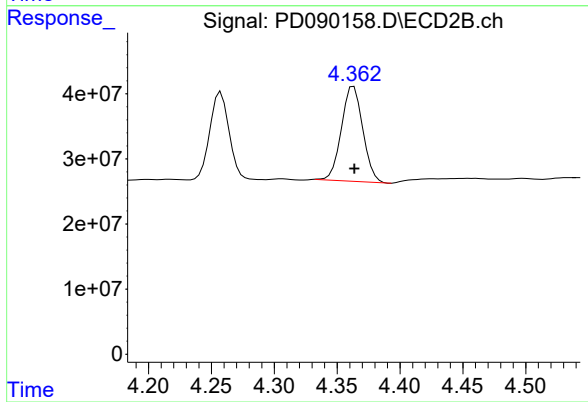
#5 Aldrin

R.T.: 5.269 min  
Delta R.T.: 0.002 min  
Response: 26248227  
Conc: 4.85 ng/ml

Instrument :  
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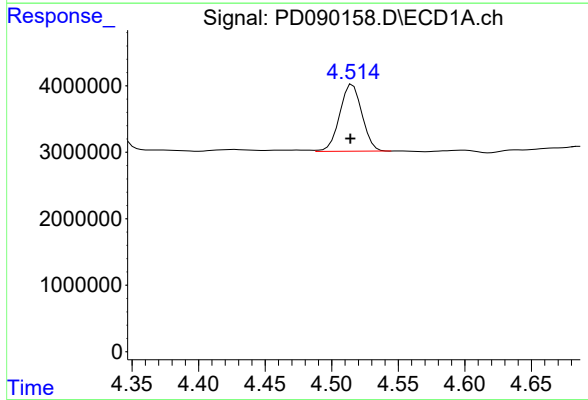
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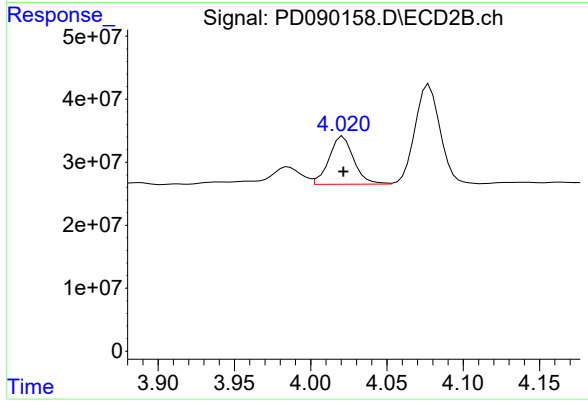
#5 Aldrin

R.T.: 4.363 min  
Delta R.T.: 0.000 min  
Response: 172760202  
Conc: 5.67 ng/ml



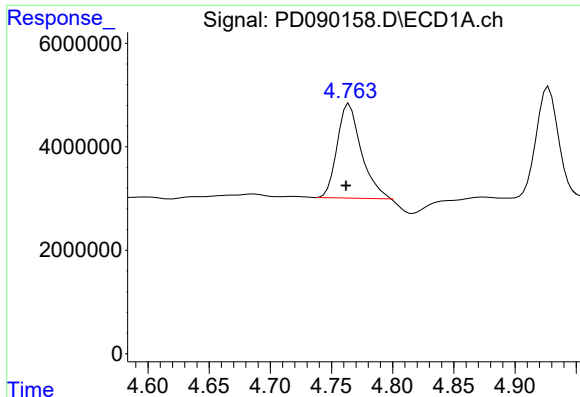
#6 beta-BHC

R.T.: 4.516 min  
Delta R.T.: 0.002 min  
Response: 11726288  
Conc: 5.23 ng/ml



#6 beta-BHC

R.T.: 4.021 min  
Delta R.T.: 0.000 min  
Response: 85480929  
Conc: 6.41 ng/ml



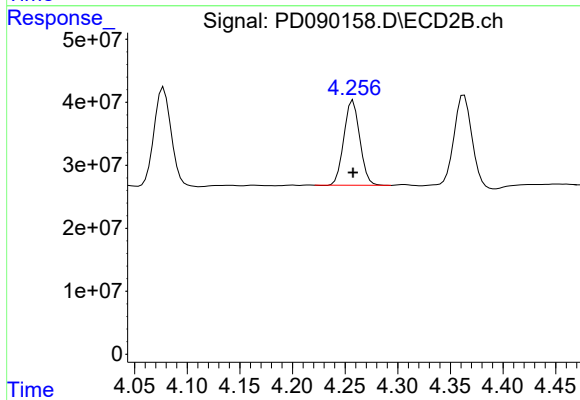
#7 delta-BHC

R.T.: 4.765 min  
Delta R.T.: 0.003 min  
Response: 24986738  
Conc: 4.83 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TR-04-090325MSD

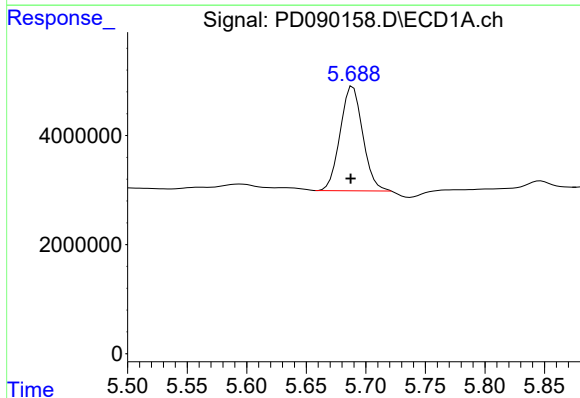
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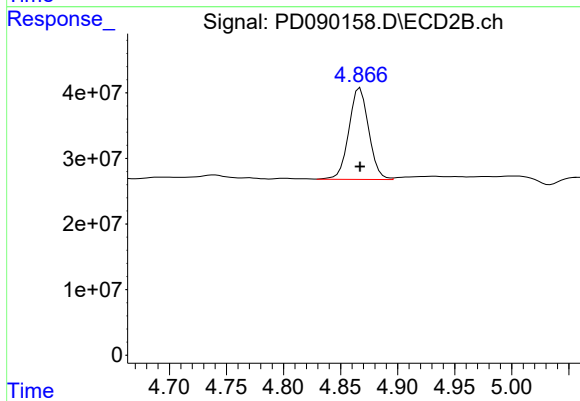
#7 delta-BHC

R.T.: 4.257 min  
Delta R.T.: 0.000 min  
Response: 142717624  
Conc: 4.52 ng/ml



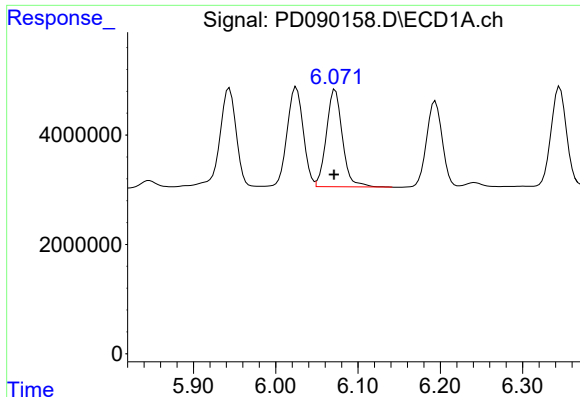
#8 Heptachlor epoxide

R.T.: 5.688 min  
Delta R.T.: 0.000 min  
Response: 25260070  
Conc: 5.15 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.867 min  
Delta R.T.: 0.000 min  
Response: 168424644  
Conc: 6.08 ng/ml



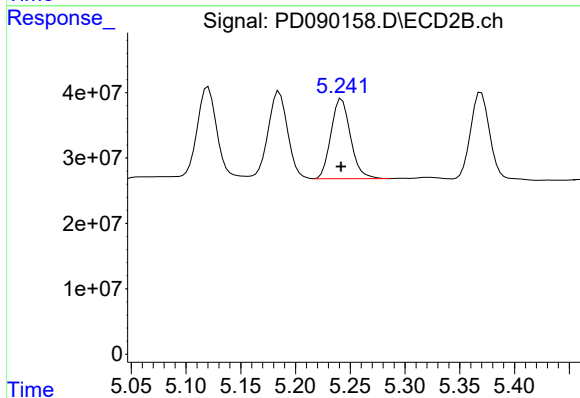
#9 Endosulfan I

R.T.: 6.072 min  
Delta R.T.: 0.001 min  
Response: 24102777  
Conc: 5.22 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TR-04-090325MSD

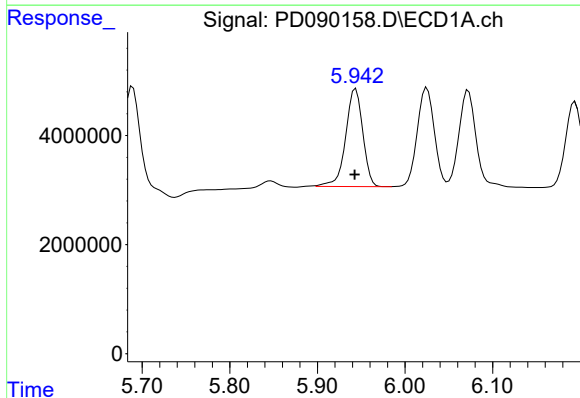
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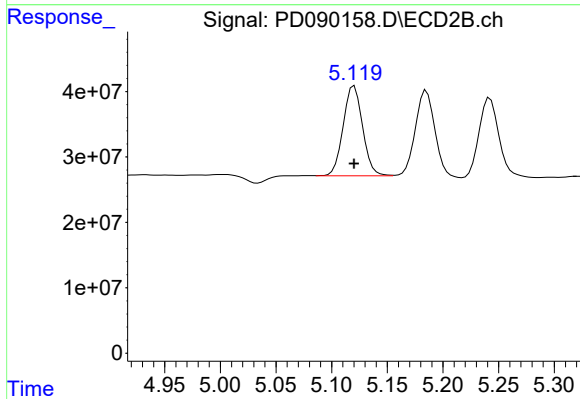
#9 Endosulfan I

R.T.: 5.242 min  
Delta R.T.: 0.000 min  
Response: 151715642  
Conc: 5.79 ng/ml



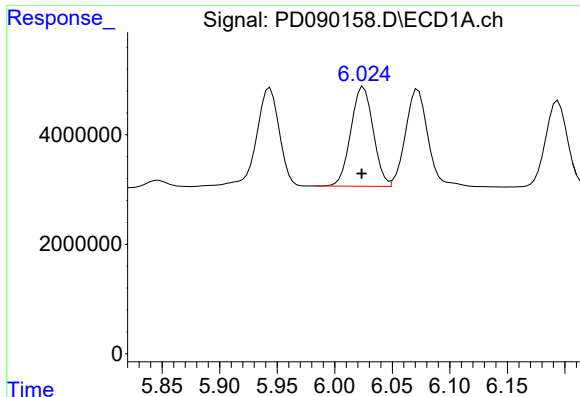
#10 gamma-Chlordane

R.T.: 5.942 min  
Delta R.T.: 0.000 min  
Response: 24358433  
Conc: 4.98 ng/ml m



#10 gamma-Chlordane

R.T.: 5.119 min  
Delta R.T.: -0.001 min  
Response: 167121837  
Conc: 5.64 ng/ml m



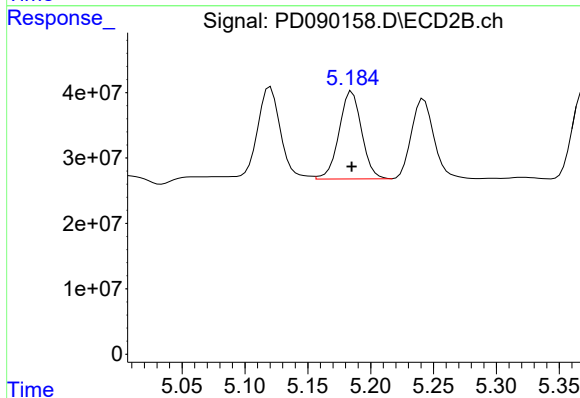
#11 alpha-Chlordane

R.T.: 6.025 min  
Delta R.T.: 0.001 min  
Response: 24687612  
Conc: 5.02 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TR-04-090325MSD

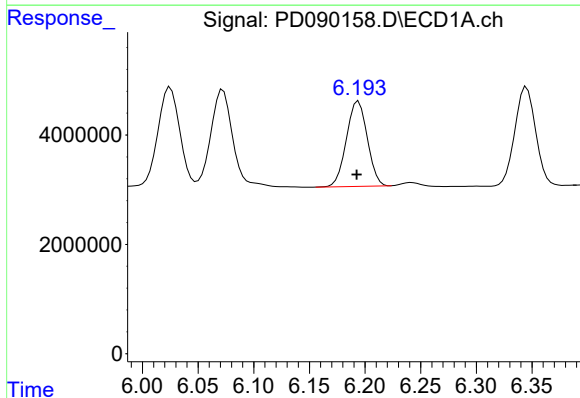
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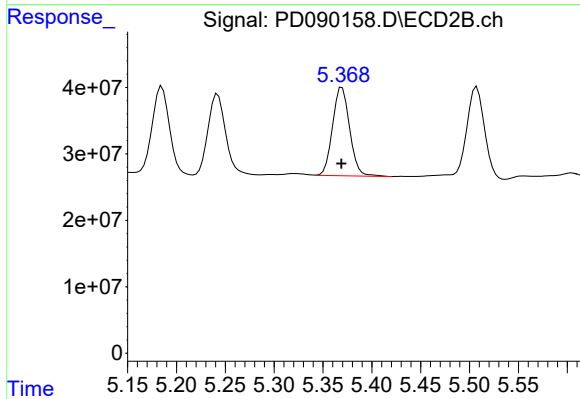
#11 alpha-Chlordane

R.T.: 5.185 min  
Delta R.T.: 0.000 min  
Response: 167728409  
Conc: 5.88 ng/ml



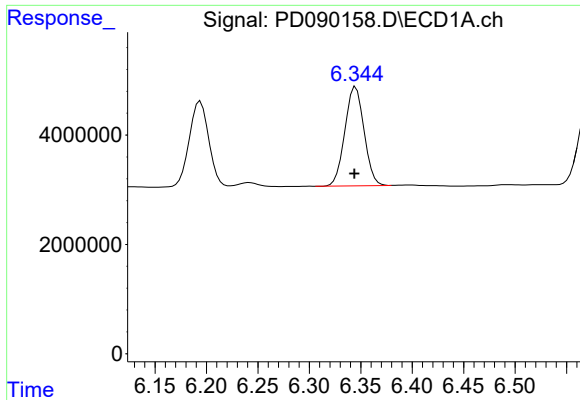
#12 4,4'-DDE

R.T.: 6.194 min  
Delta R.T.: 0.002 min  
Response: 20398299  
Conc: 4.65 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min  
Delta R.T.: 0.000 min  
Response: 162558701  
Conc: 5.64 ng/ml



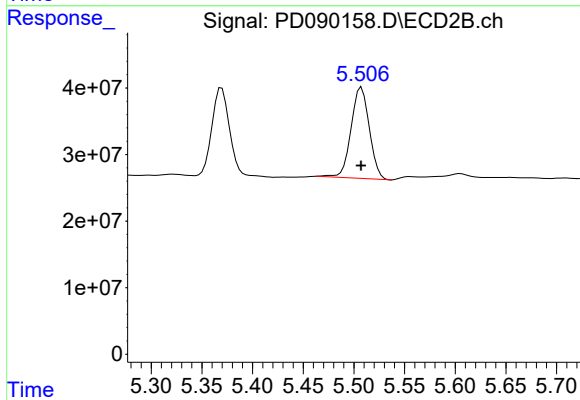
#13 Dieldrin

R.T.: 6.345 min  
Delta R.T.: 0.001 min  
Response: 23488308  
Conc: 4.80 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TR-04-090325MSD

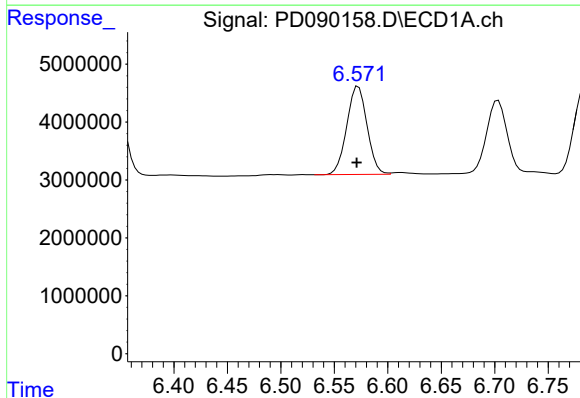
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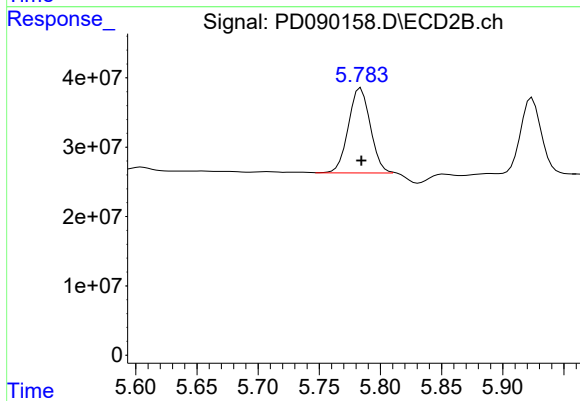
#13 Dieldrin

R.T.: 5.507 min  
Delta R.T.: 0.000 min  
Response: 172055875  
Conc: 5.87 ng/ml



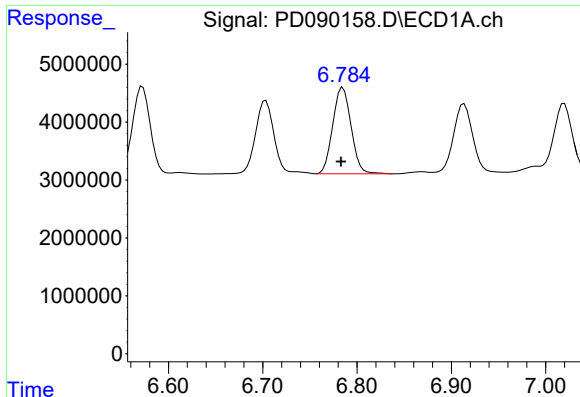
#14 Endrin

R.T.: 6.573 min  
Delta R.T.: 0.002 min  
Response: 20074194  
Conc: 4.84 ng/ml



#14 Endrin

R.T.: 5.783 min  
Delta R.T.: -0.002 min  
Response: 152491506  
Conc: 5.73 ng/ml m



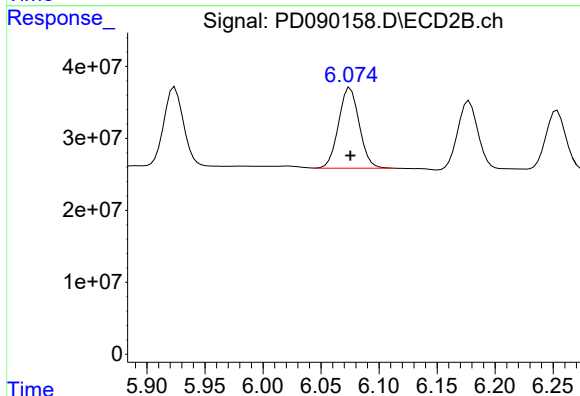
#15 Endosulfan II

R.T.: 6.785 min  
Delta R.T.: 0.002 min  
Response: 20162842  
Conc: 4.78 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
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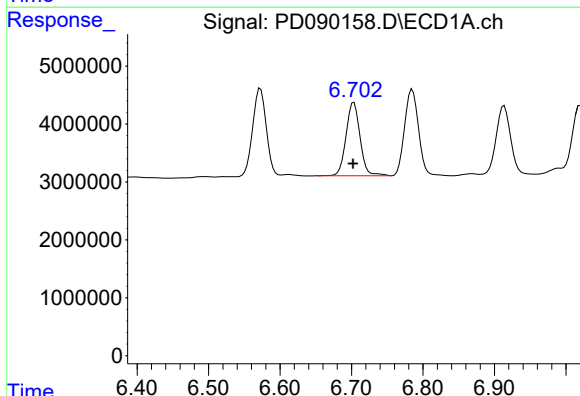
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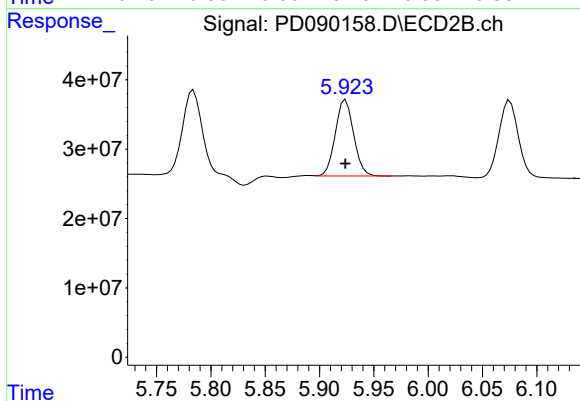
#15 Endosulfan II

R.T.: 6.074 min  
Delta R.T.: -0.002 min  
Response: 139037395  
Conc: 5.50 ng/ml m



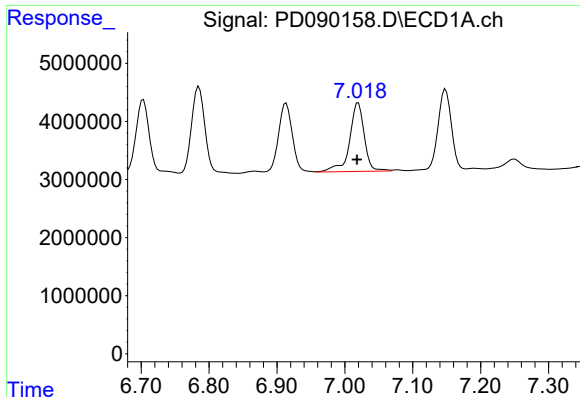
#16 4,4'-DDD

R.T.: 6.703 min  
Delta R.T.: 0.001 min  
Response: 17382539  
Conc: 5.03 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min  
Delta R.T.: 0.000 min  
Response: 129264664  
Conc: 5.38 ng/ml



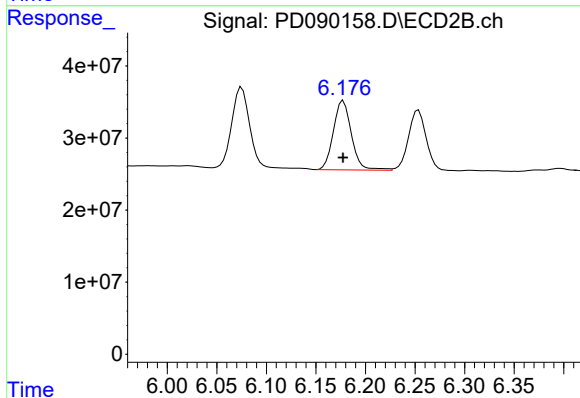
#17 4,4'-DDT

R.T.: 7.020 min  
Delta R.T.: 0.002 min  
Response: 17778316  
Conc: 4.67 ng/ml

Instrument :  
ECD\_D  
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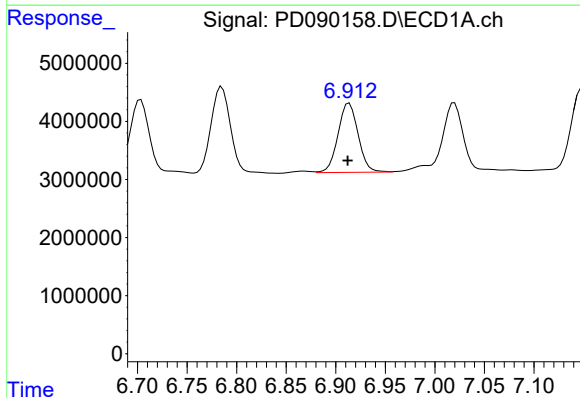
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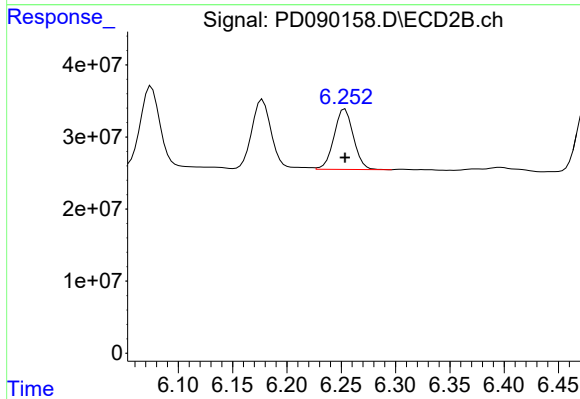
#17 4,4'-DDT

R.T.: 6.178 min  
Delta R.T.: 0.000 min  
Response: 121565999  
Conc: 4.85 ng/ml



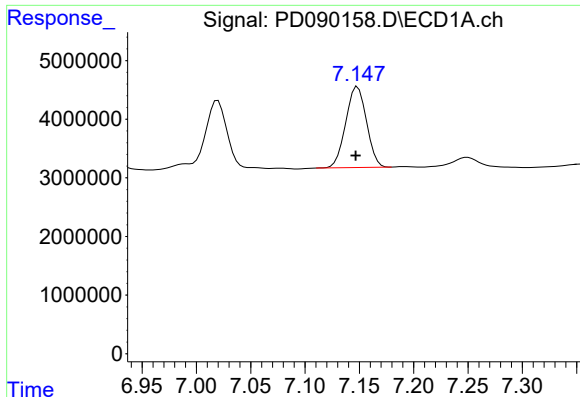
#18 Endrin aldehyde

R.T.: 6.914 min  
Delta R.T.: 0.002 min  
Response: 16845556  
Conc: 5.88 ng/ml



#18 Endrin aldehyde

R.T.: 6.253 min  
Delta R.T.: 0.000 min  
Response: 103821106  
Conc: 6.03 ng/ml



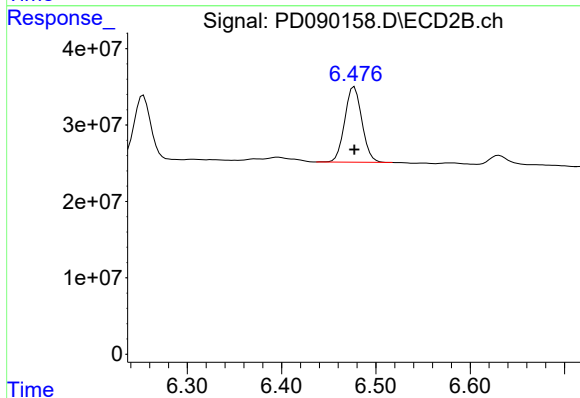
#19 Endosulfan Sulfate

R.T.: 7.149 min  
Delta R.T.: 0.002 min  
Response: 18402660  
Conc: 4.70 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
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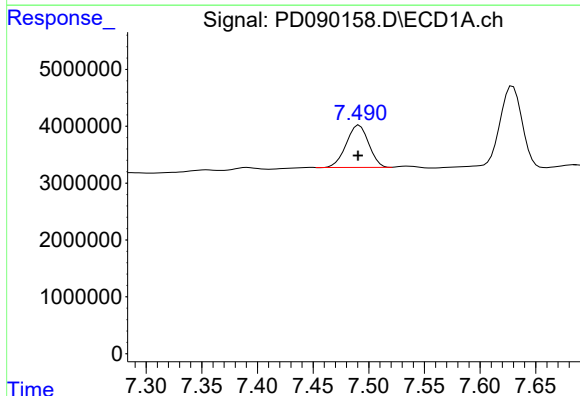
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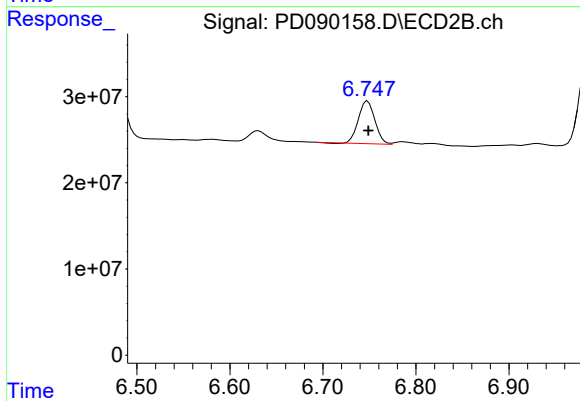
#19 Endosulfan Sulfate

R.T.: 6.477 min  
Delta R.T.: 0.000 min  
Response: 125095313  
Conc: 5.13 ng/ml



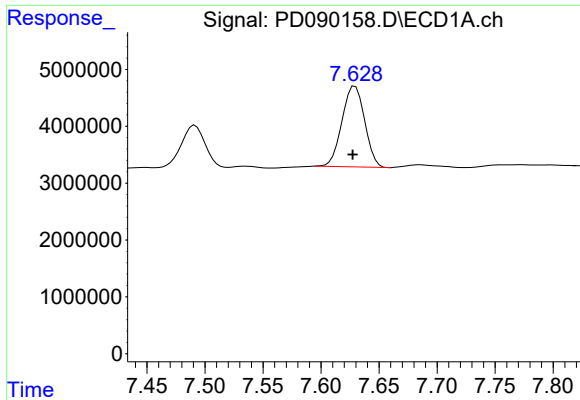
#20 Methoxychlor

R.T.: 7.491 min  
Delta R.T.: 0.001 min  
Response: 10433212  
Conc: 5.20 ng/ml



#20 Methoxychlor

R.T.: 6.748 min  
Delta R.T.: 0.000 min  
Response: 60988730  
Conc: 4.73 ng/ml



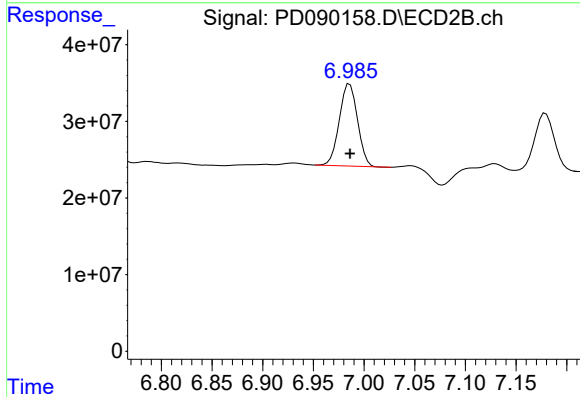
#21 Endrin ketone

R.T.: 7.629 min  
Delta R.T.: 0.002 min  
Response: 19360165  
Conc: 4.67 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TR-04-090325MSD

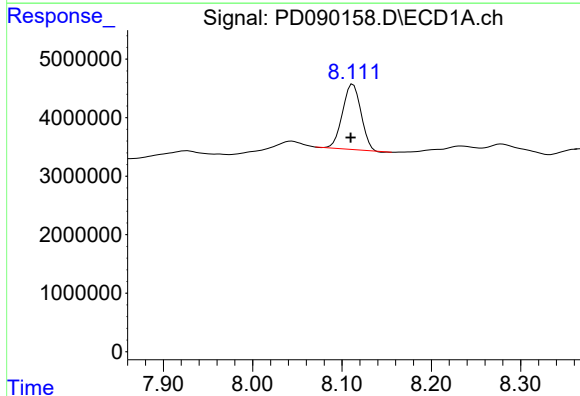
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/05/2025  
Supervised By :mohammad ahmed 09/09/2025



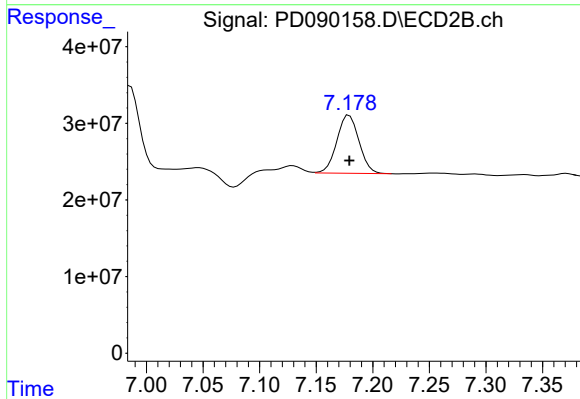
#21 Endrin ketone

R.T.: 6.986 min  
Delta R.T.: 0.000 min  
Response: 133848131  
Conc: 5.02 ng/ml



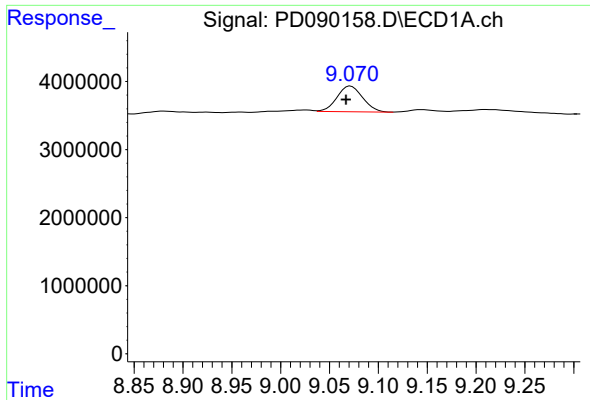
#22 Mirex

R.T.: 8.112 min  
Delta R.T.: 0.003 min  
Response: 16007253  
Conc: 5.07 ng/ml



#22 Mirex

R.T.: 7.178 min  
Delta R.T.: -0.001 min  
Response: 103307751  
Conc: 5.00 ng/ml m



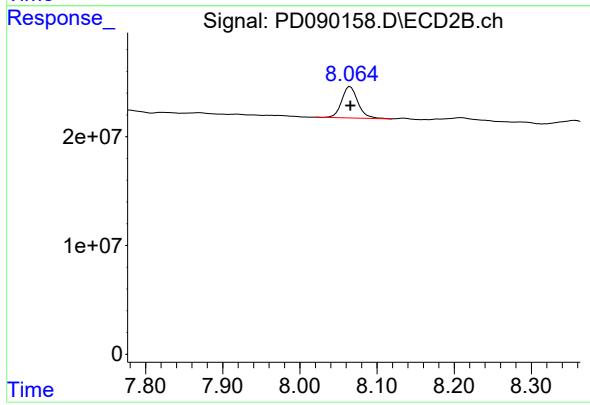
#28 Decachlorobiphenyl

R.T.: 9.070 min  
Delta R.T.: 0.003 min  
Response: 6911362  
Conc: 1.60 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TR-04-090325MSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/05/2025  
Supervised By :mohammad ahmed 09/09/2025



#28 Decachlorobiphenyl

R.T.: 8.065 min  
Delta R.T.: 0.000 min  
Response: 41925089  
Conc: 1.62 ng/ml