

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD042125\  
 Data File : PD088179.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Apr 2025 19:10  
 Operator : AR\AJ  
 Sample : Q1832-06MSD  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PL-714-COMP-01MSD

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 04/22/2025  
 Supervised By :mohammad ahmed 04/23/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 21 22:47:05 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD041825.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Apr 19 06:32:27 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 | 2.884 | 37184174 | 246.4E6  | 18.616m | 16.853 |
| 28) SA Decachlor...         | 9.074 | 8.077 | 59832613 | 288.4E6  | 18.087  | 15.608 |
| Target Compounds            |       |       |          |          |         |        |
| 2) A alpha-BHC              | 4.001 | 3.396 | 462.8E6  | 1991.5E6 | 107.339 | 87.111 |
| 3) MA gamma-BHC...          | 4.332 | 3.733 | 445.0E6  | 1837.3E6 | 106.258 | 85.302 |
| 4) MA Heptachlor            | 4.932 | 4.086 | 395.2E6  | 1704.4E6 | 97.852  | 79.654 |
| 5) MB Aldrin                | 5.273 | 4.372 | 382.0E6  | 1696.4E6 | 96.720  | 81.548 |
| 6) B beta-BHC               | 4.517 | 4.028 | 157.0E6  | 787.1E6  | 96.730  | 85.050 |
| 7) B delta-BHC              | 4.765 | 4.265 | 446.9E6  | 1853.9E6 | 108.345 | 87.194 |
| 8) B Heptachlo...           | 5.693 | 4.876 | 359.0E6  | 1595.5E6 | 100.447 | 84.441 |
| 9) A Endosulfan I           | 6.076 | 5.250 | 336.1E6  | 1505.3E6 | 99.517  | 83.570 |
| 10) B gamma-Chl...          | 5.948 | 5.129 | 362.1E6  | 1723.8E6 | 99.958  | 84.932 |
| 11) B alpha-Chl...          | 6.029 | 5.194 | 356.8E6  | 1650.4E6 | 98.850  | 84.195 |
| 12) B 4,4'-DDE              | 6.198 | 5.379 | 327.9E6  | 1646.2E6 | 99.404  | 83.590 |
| 13) MA Dieldrin             | 6.349 | 5.516 | 364.5E6  | 1679.8E6 | 102.152 | 84.271 |
| 14) MA Endrin               | 6.576 | 5.792 | 302.3E6  | 1520.1E6 | 101.363 | 83.509 |
| 15) B Endosulfa...          | 6.787 | 6.083 | 299.1E6  | 1454.0E6 | 95.677  | 82.984 |
| 16) A 4,4'-DDD              | 6.707 | 5.932 | 254.5E6  | 1389.0E6 | 101.197 | 84.767 |
| 17) MA 4,4'-DDT             | 7.022 | 6.187 | 265.2E6  | 1372.3E6 | 95.482  | 80.644 |
| 18) B Endrin al...          | 6.916 | 6.262 | 222.0E6  | 1092.6E6 | 96.178  | 82.143 |
| 19) B Endosulfa...          | 7.150 | 6.486 | 279.4E6  | 1393.3E6 | 97.142  | 81.323 |
| 20) A Methoxychlor          | 7.494 | 6.758 | 129.8E6  | 693.7E6  | 86.557  | 76.057 |
| 21) B Endrin ke...          | 7.631 | 6.995 | 294.6E6  | 1481.4E6 | 95.461  | 79.200 |
| 22) Mirex                   | 8.115 | 7.189 | 201.9E6  | 1115.9E6 | 85.989  | 75.292 |
| -----                       |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD042125\  
Data File : PD088179.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Apr 2025 19:10  
Operator : AR\AJ  
Sample : Q1832-06MSD  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

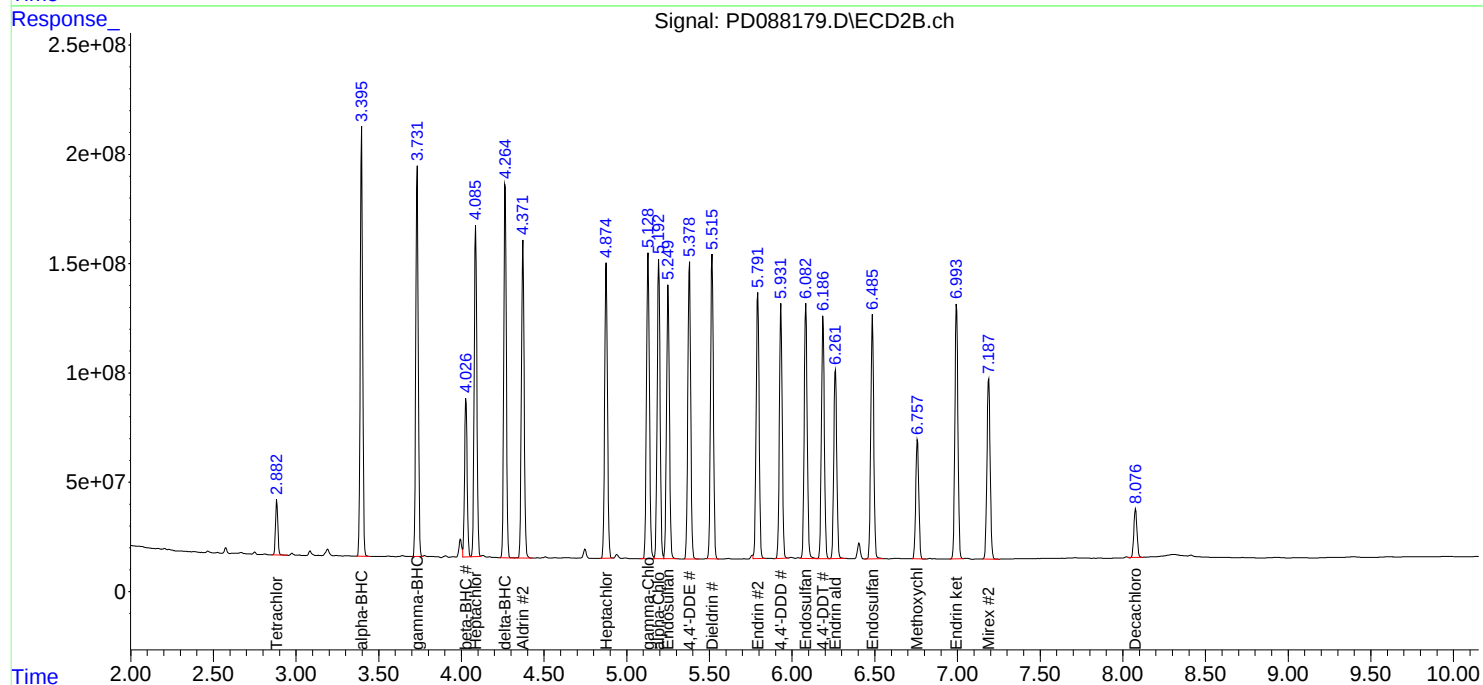
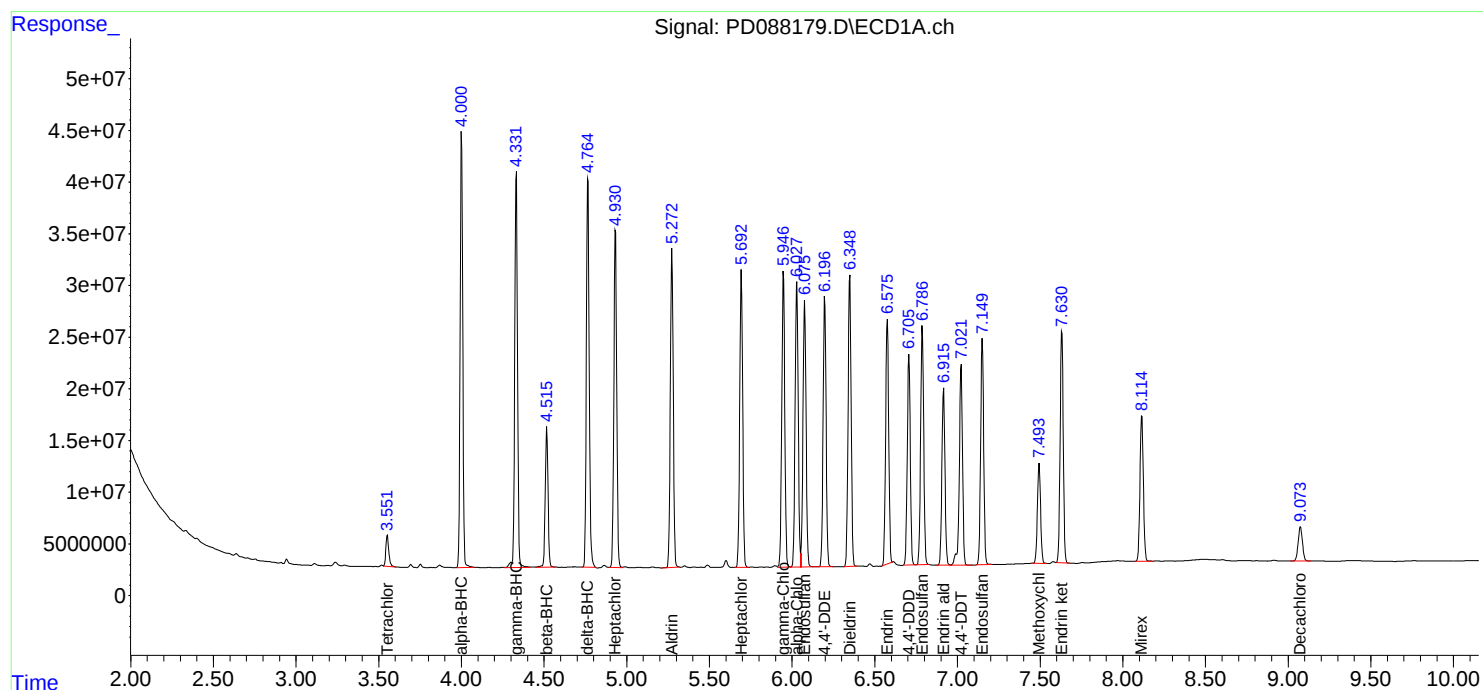
Instrument :  
ECD\_D  
ClientSampleId :  
PL-714-COMP-01MSD

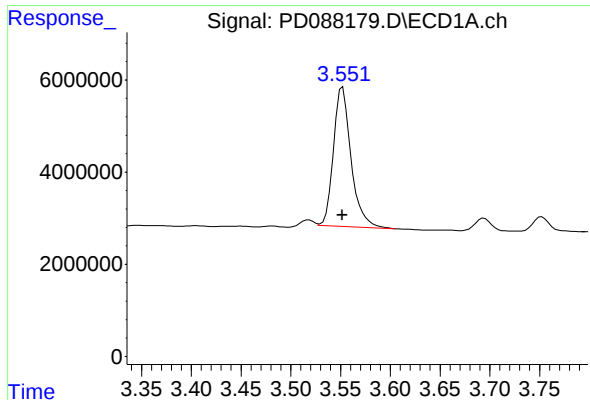
Manual Integrations  
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Supervised By :mohammad ahmed 04/23/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 21 22:47:05 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD041825.M  
Quant Title : GC Extractables  
QLast Update : Sat Apr 19 06:32:27 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





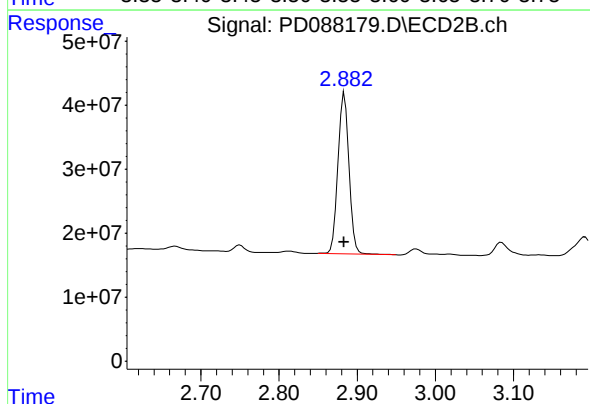
#1 Tetrachloro-m-xylene

R.T.: 3.551 min  
Delta R.T.: -0.001 min  
Response: 37184174  
Conc: 18.62 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PL-714-COMP-01MSD

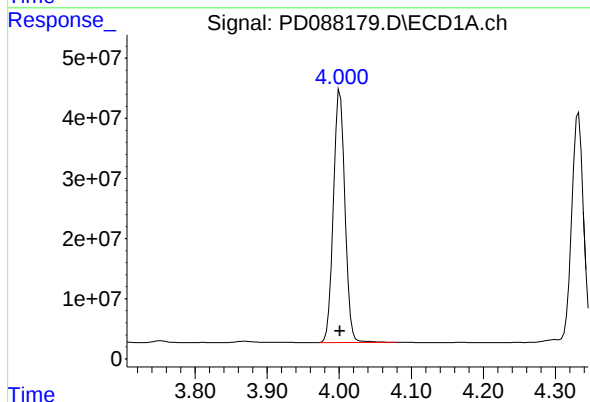
Manual Integrations  
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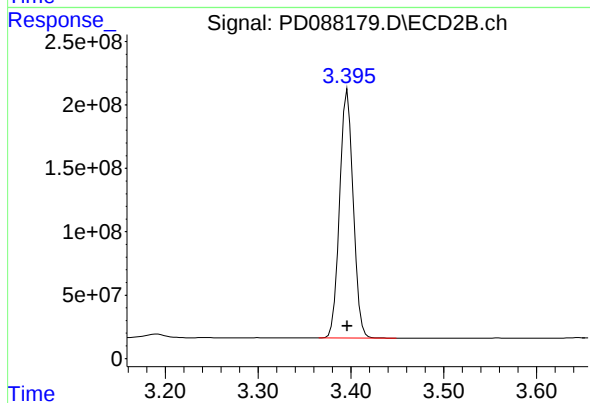
#1 Tetrachloro-m-xylene

R.T.: 2.884 min  
Delta R.T.: 0.000 min  
Response: 246414834  
Conc: 16.85 ng/ml



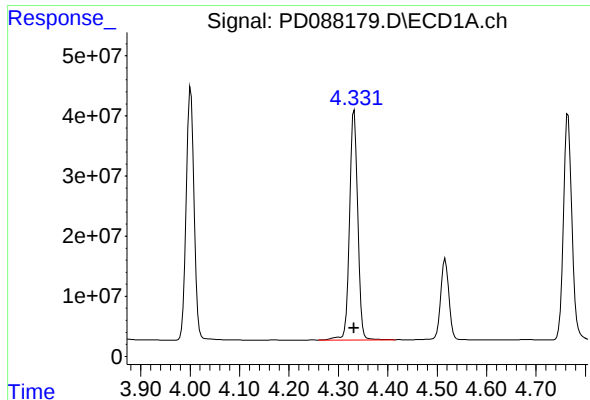
#2 alpha-BHC

R.T.: 4.001 min  
Delta R.T.: 0.000 min  
Response: 462846193  
Conc: 107.34 ng/ml



#2 alpha-BHC

R.T.: 3.396 min  
Delta R.T.: 0.000 min  
Response: 1991497817  
Conc: 87.11 ng/ml



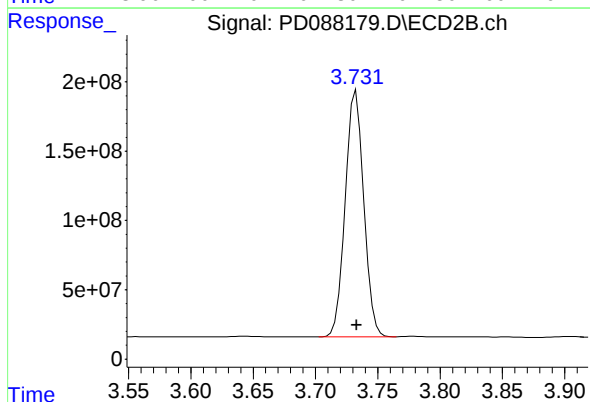
#3 gamma-BHC (Lindane)

R.T.: 4.332 min  
Delta R.T.: 0.000 min  
Response: 444955807  
Conc: 106.26 ng/ml

Instrument :  
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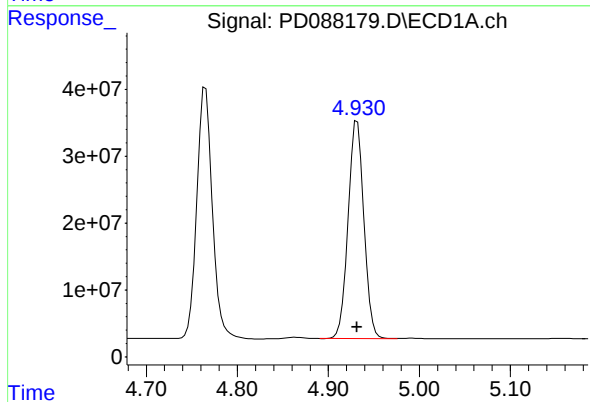
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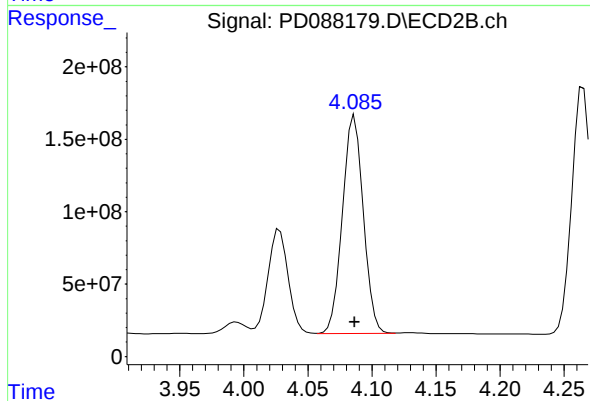
#3 gamma-BHC (Lindane)

R.T.: 3.733 min  
Delta R.T.: 0.000 min  
Response: 1837292561  
Conc: 85.30 ng/ml



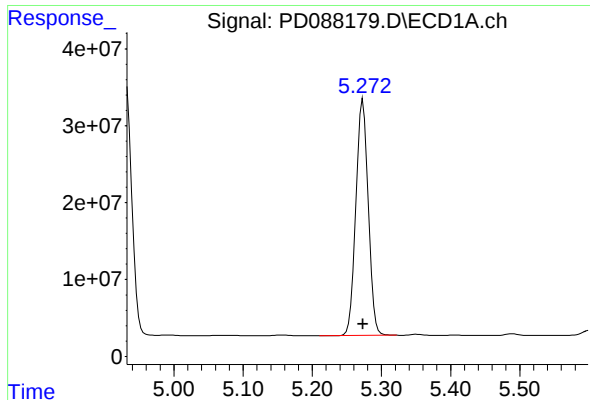
#4 Heptachlor

R.T.: 4.932 min  
Delta R.T.: 0.000 min  
Response: 395219879  
Conc: 97.85 ng/ml



#4 Heptachlor

R.T.: 4.086 min  
Delta R.T.: 0.000 min  
Response: 1704444305  
Conc: 79.65 ng/ml



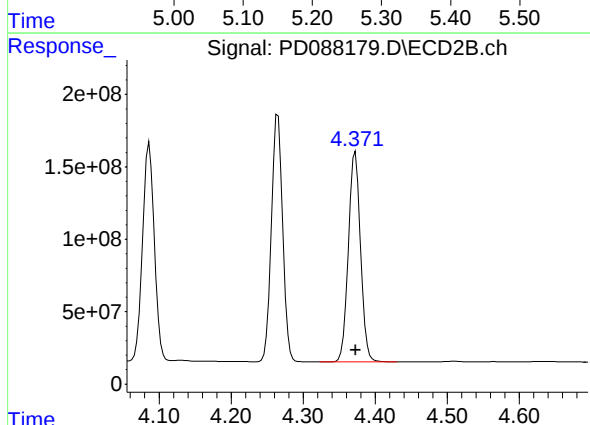
#5 Aldrin

R.T.: 5.273 min  
Delta R.T.: 0.000 min  
Response: 382002328  
Conc: 96.72 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PL-714-COMP-01MSD

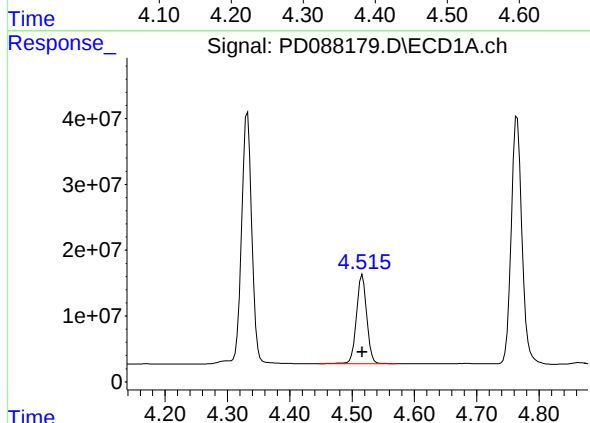
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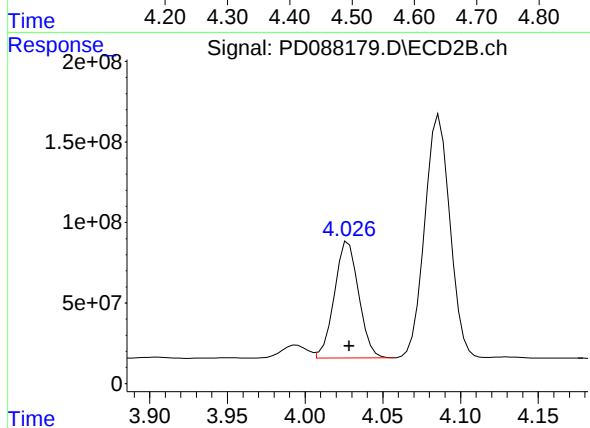
#5 Aldrin

R.T.: 4.372 min  
Delta R.T.: 0.000 min  
Response: 1696418874  
Conc: 81.55 ng/ml



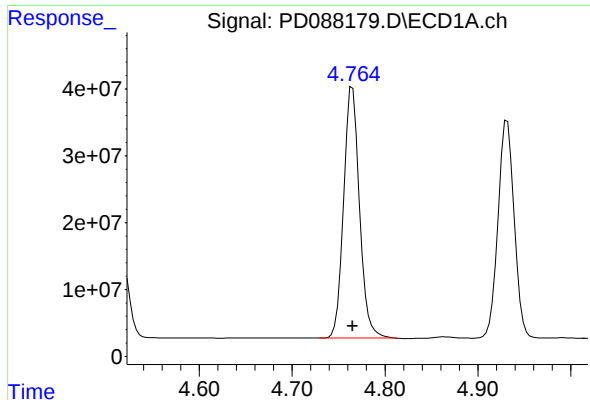
#6 beta-BHC

R.T.: 4.517 min  
Delta R.T.: 0.000 min  
Response: 157030067  
Conc: 96.73 ng/ml



#6 beta-BHC

R.T.: 4.028 min  
Delta R.T.: 0.000 min  
Response: 787065926  
Conc: 85.05 ng/ml



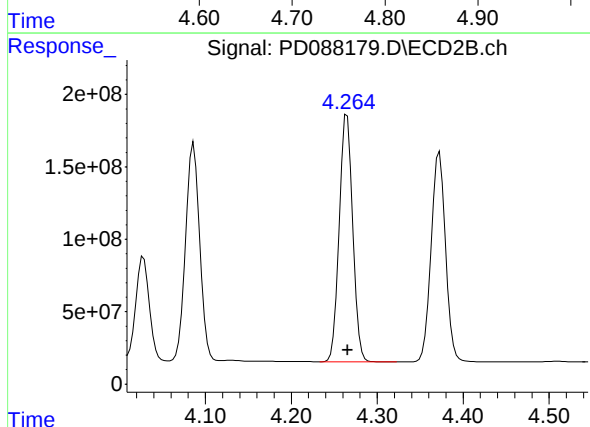
#7 delta-BHC

R.T.: 4.765 min  
Delta R.T.: 0.000 min  
Response: 446922207  
Conc: 108.35 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PL-714-COMP-01MSD

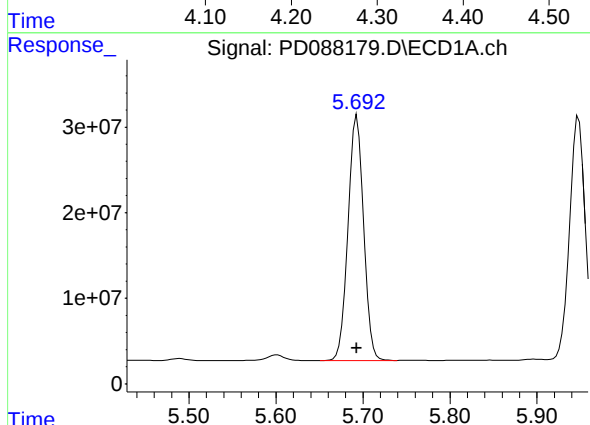
Manual Integrations  
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Supervised By :mohammad ahmed 04/23/2025



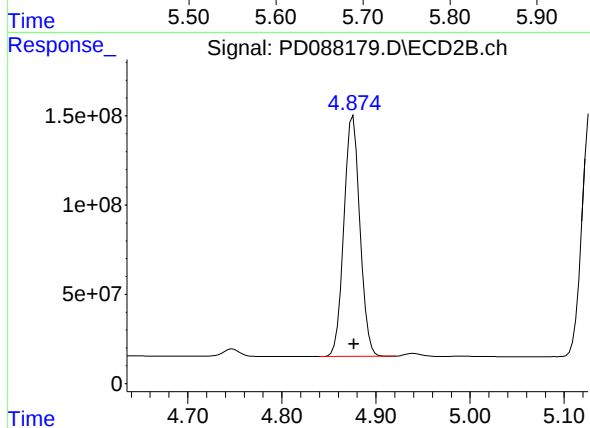
#7 delta-BHC

R.T.: 4.265 min  
Delta R.T.: 0.000 min  
Response: 1853891289  
Conc: 87.19 ng/ml



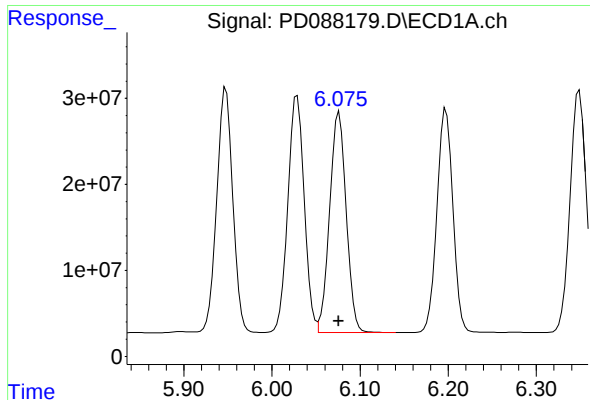
#8 Heptachlor epoxide

R.T.: 5.693 min  
Delta R.T.: 0.000 min  
Response: 358991178  
Conc: 100.45 ng/ml



#8 Heptachlor epoxide

R.T.: 4.876 min  
Delta R.T.: 0.000 min  
Response: 1595463816  
Conc: 84.44 ng/ml



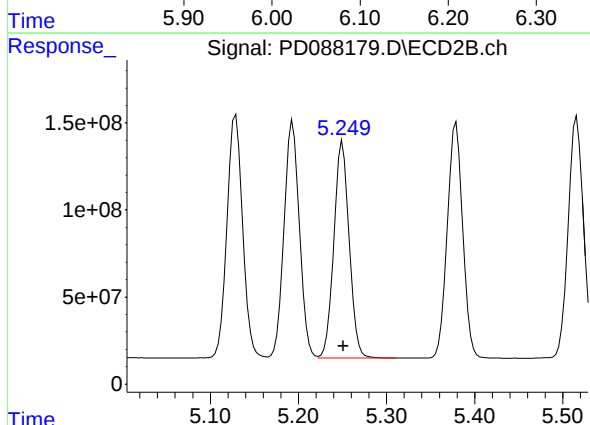
#9 Endosulfan I

R.T.: 6.076 min  
Delta R.T.: 0.000 min  
Response: 336085009  
Conc: 99.52 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PL-714-COMP-01MSD

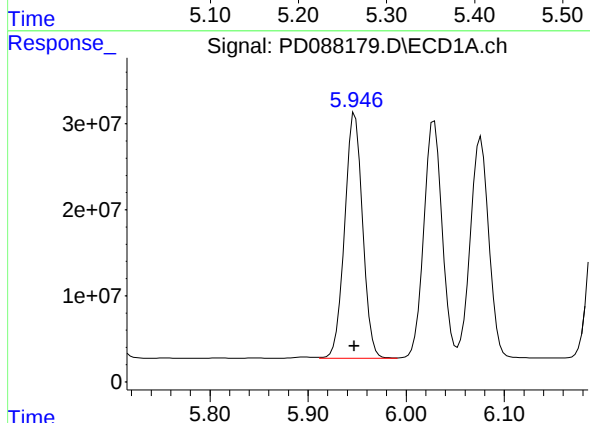
Manual Integrations  
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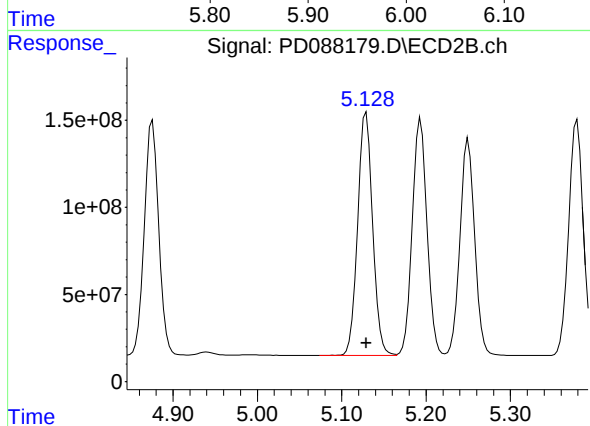
#9 Endosulfan I

R.T.: 5.250 min  
Delta R.T.: -0.001 min  
Response: 1505307737  
Conc: 83.57 ng/ml



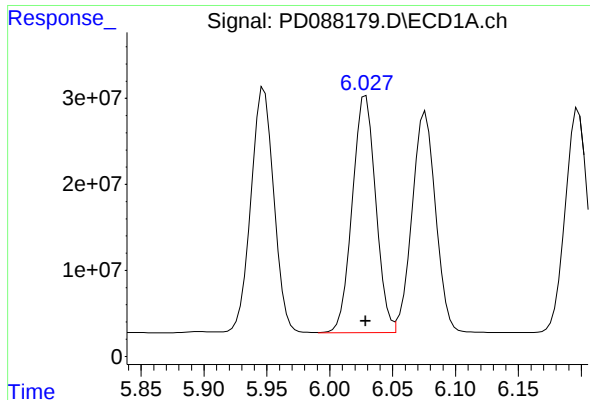
#10 gamma-Chlordane

R.T.: 5.948 min  
Delta R.T.: 0.000 min  
Response: 362053763  
Conc: 99.96 ng/ml



#10 gamma-Chlordane

R.T.: 5.129 min  
Delta R.T.: 0.000 min  
Response: 1723785290  
Conc: 84.93 ng/ml



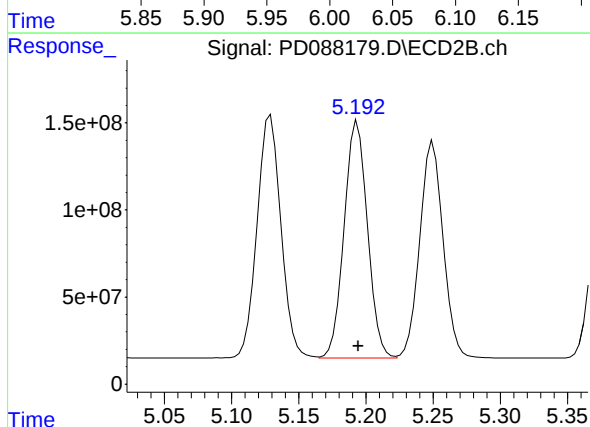
#11 alpha-Chlordane

R.T.: 6.029 min  
Delta R.T.: 0.000 min  
Response: 356807057  
Conc: 98.85 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PL-714-COMP-01MSD

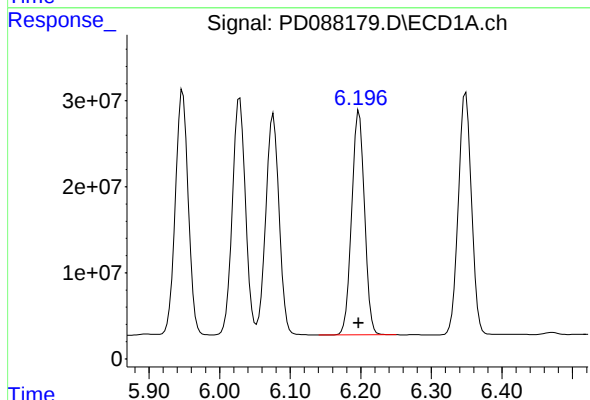
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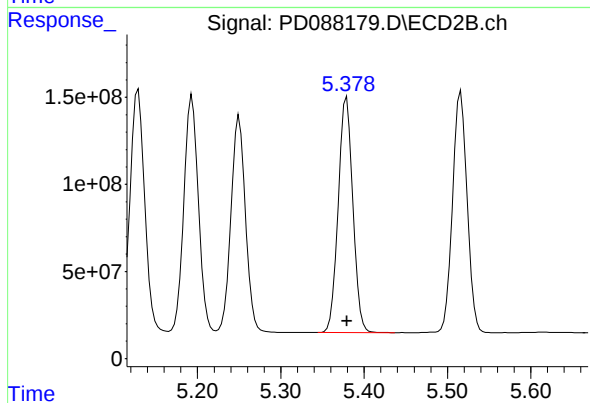
#11 alpha-Chlordane

R.T.: 5.194 min  
Delta R.T.: 0.000 min  
Response: 1650449713  
Conc: 84.19 ng/ml



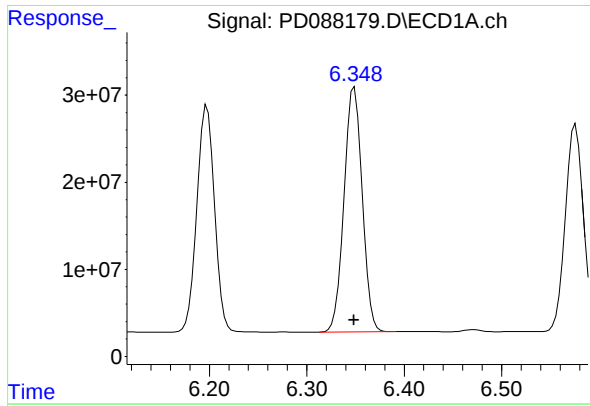
#12 4,4'-DDE

R.T.: 6.198 min  
Delta R.T.: 0.000 min  
Response: 327859355  
Conc: 99.40 ng/ml



#12 4,4'-DDE

R.T.: 5.379 min  
Delta R.T.: 0.000 min  
Response: 1646212054  
Conc: 83.59 ng/ml



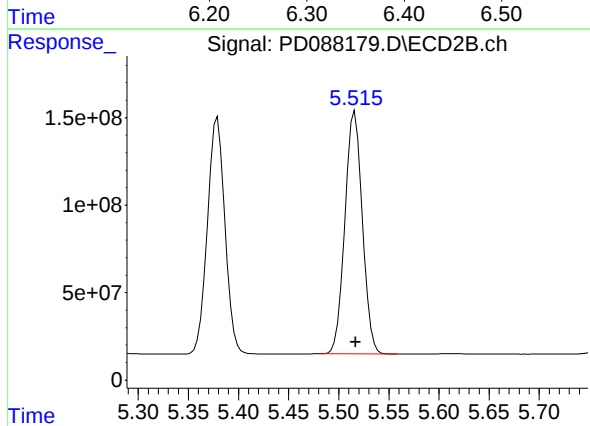
#13 Dieldrin

R.T.: 6.349 min  
Delta R.T.: 0.000 min  
Response: 364529994  
Conc: 102.15 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PL-714-COMP-01MSD

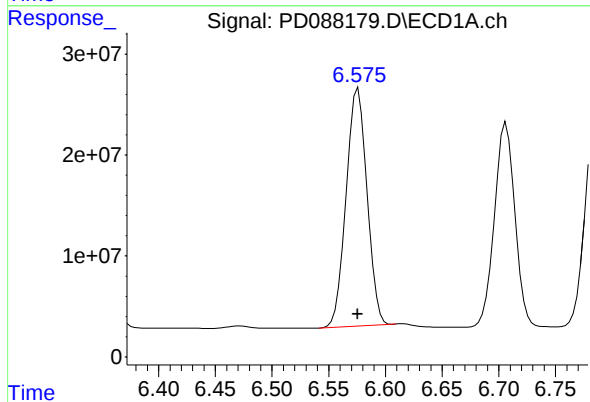
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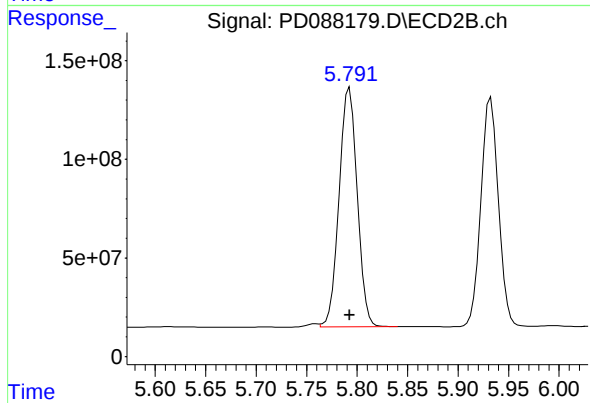
#13 Dieldrin

R.T.: 5.516 min  
Delta R.T.: 0.000 min  
Response: 1679757168  
Conc: 84.27 ng/ml



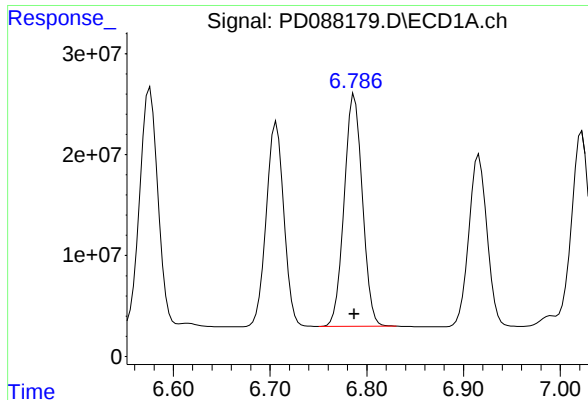
#14 Endrin

R.T.: 6.576 min  
Delta R.T.: 0.000 min  
Response: 302322191  
Conc: 101.36 ng/ml



#14 Endrin

R.T.: 5.792 min  
Delta R.T.: 0.000 min  
Response: 1520064348  
Conc: 83.51 ng/ml



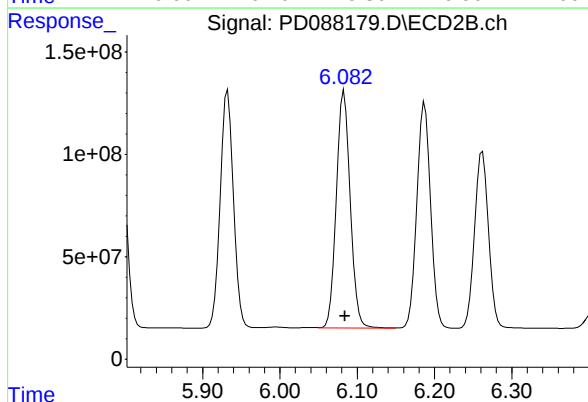
#15 Endosulfan II

R.T.: 6.787 min  
Delta R.T.: 0.000 min  
Response: 299108328  
Conc: 95.68 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PL-714-COMP-01MSD

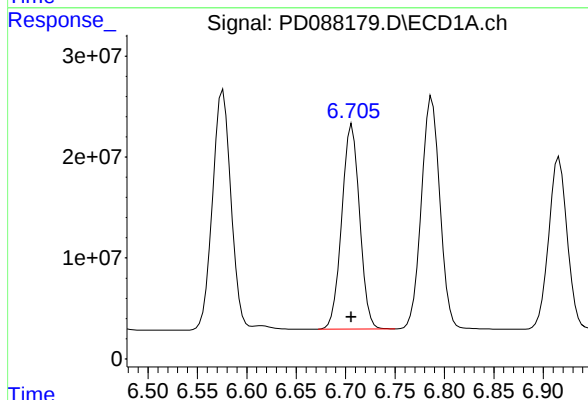
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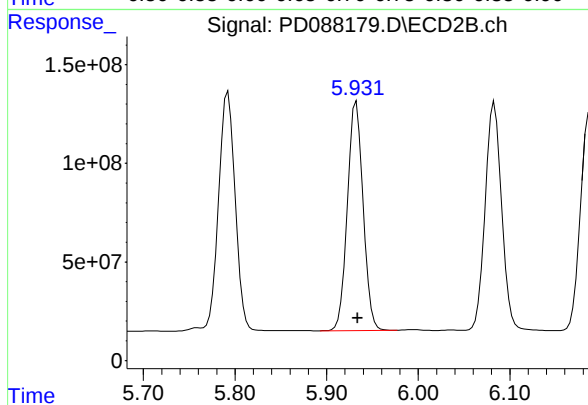
#15 Endosulfan II

R.T.: 6.083 min  
Delta R.T.: -0.001 min  
Response: 1454011941  
Conc: 82.98 ng/ml



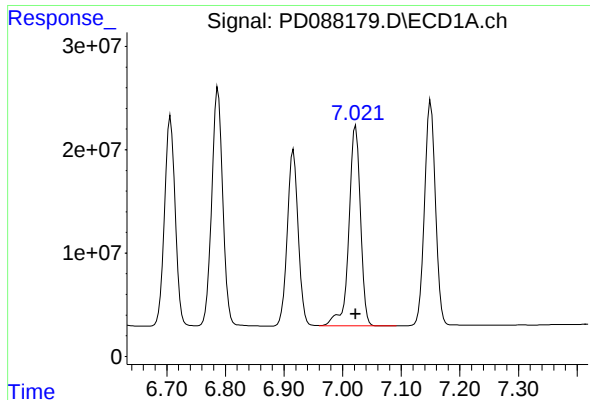
#16 4,4'-DDD

R.T.: 6.707 min  
Delta R.T.: 0.000 min  
Response: 254505235  
Conc: 101.20 ng/ml



#16 4,4'-DDD

R.T.: 5.932 min  
Delta R.T.: -0.002 min  
Response: 1389012221  
Conc: 84.77 ng/ml



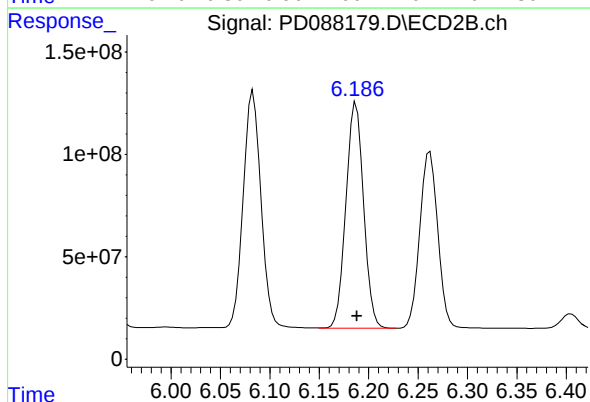
#17 4,4'-DDT

R.T.: 7.022 min  
Delta R.T.: 0.000 min  
Response: 265204638  
Conc: 95.48 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PL-714-COMP-01MSD

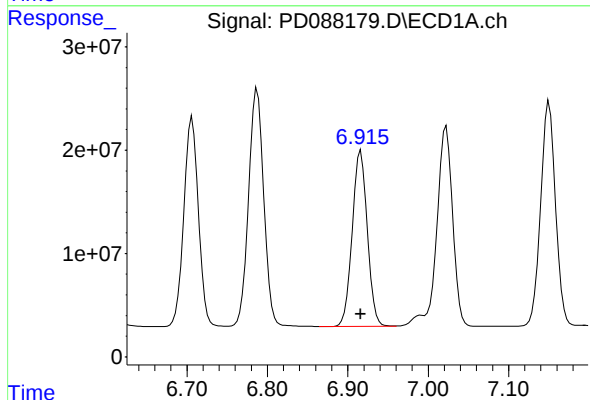
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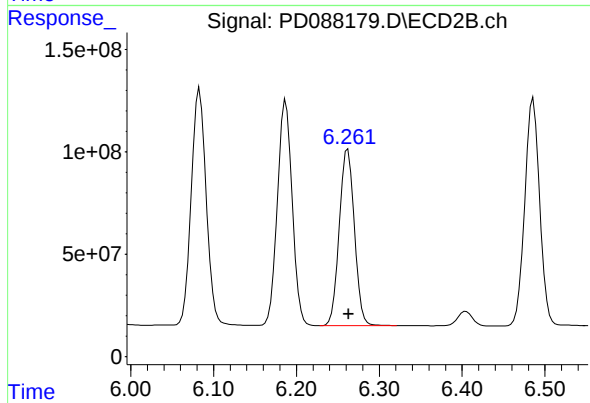
#17 4,4'-DDT

R.T.: 6.187 min  
Delta R.T.: 0.000 min  
Response: 1372285294  
Conc: 80.64 ng/ml



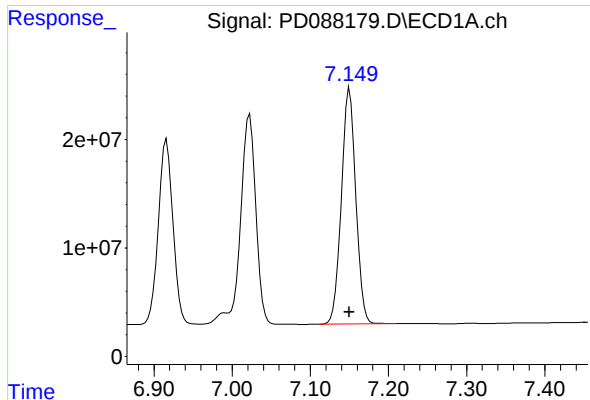
#18 Endrin aldehyde

R.T.: 6.916 min  
Delta R.T.: 0.000 min  
Response: 221976648  
Conc: 96.18 ng/ml



#18 Endrin aldehyde

R.T.: 6.262 min  
Delta R.T.: 0.000 min  
Response: 1092585138  
Conc: 82.14 ng/ml



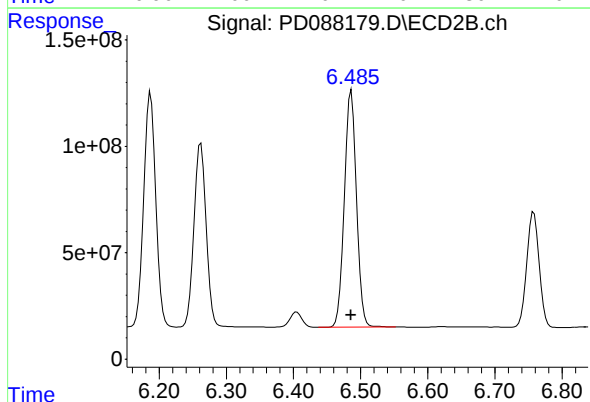
#19 Endosulfan Sulfate

R.T.: 7.150 min  
Delta R.T.: 0.000 min  
Response: 279364108  
Conc: 97.14 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
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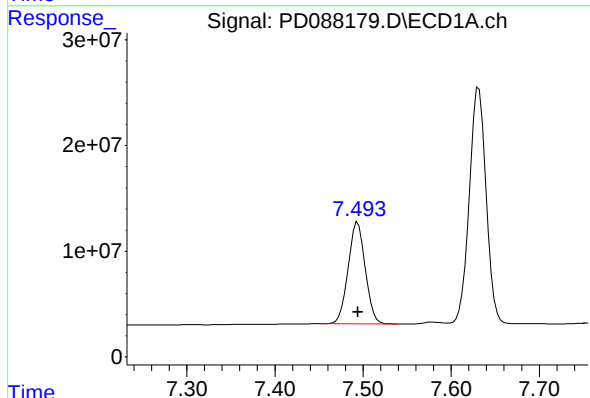
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Reviewed By :Abdul Mirza 04/22/2025  
Supervised By :mohammad ahmed 04/23/2025



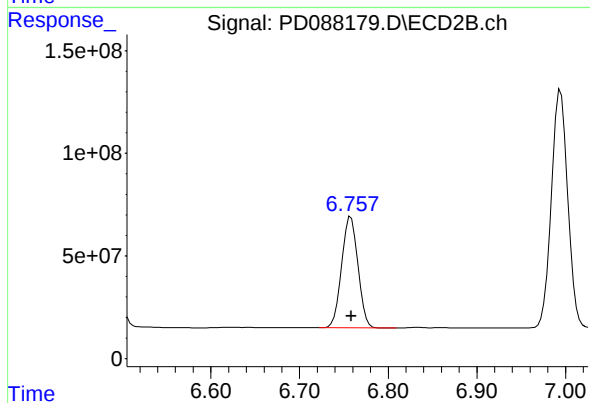
#19 Endosulfan Sulfate

R.T.: 6.486 min  
Delta R.T.: 0.000 min  
Response: 1393330566  
Conc: 81.32 ng/ml



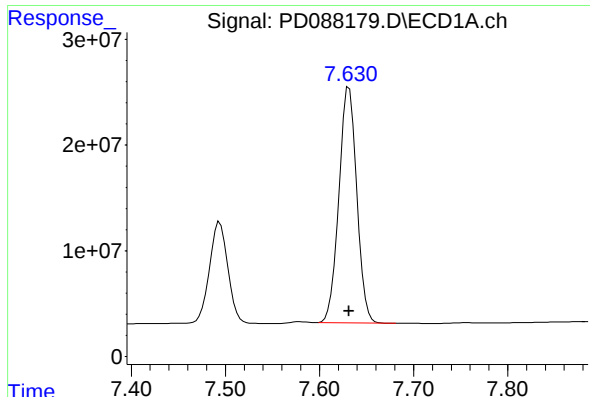
#20 Methoxychlor

R.T.: 7.494 min  
Delta R.T.: 0.000 min  
Response: 129796836  
Conc: 86.56 ng/ml



#20 Methoxychlor

R.T.: 6.758 min  
Delta R.T.: 0.000 min  
Response: 693723834  
Conc: 76.06 ng/ml



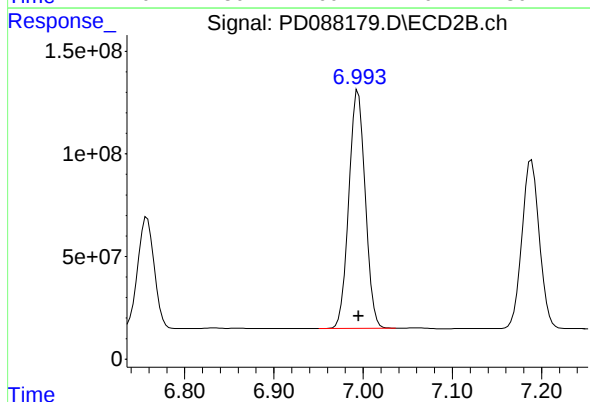
#21 Endrin ketone

R.T.: 7.631 min  
Delta R.T.: 0.000 min  
Response: 294648538  
Conc: 95.46 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PL-714-COMP-01MSD

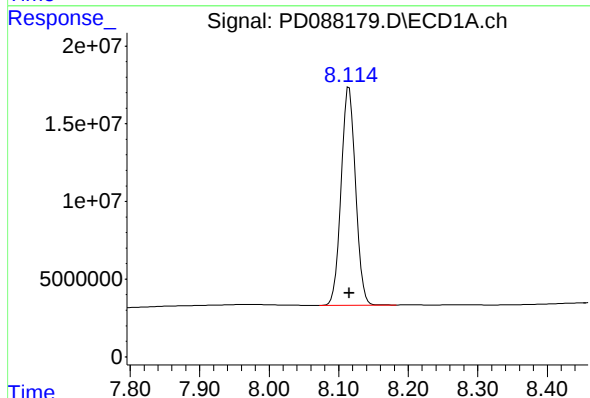
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/22/2025  
Supervised By :mohammad ahmed 04/23/2025



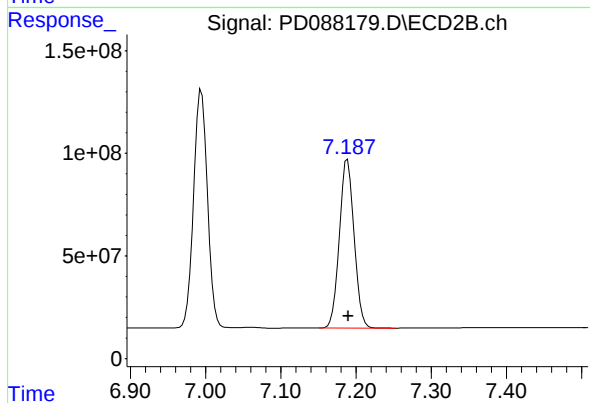
#21 Endrin ketone

R.T.: 6.995 min  
Delta R.T.: 0.000 min  
Response: 1481365708  
Conc: 79.20 ng/ml



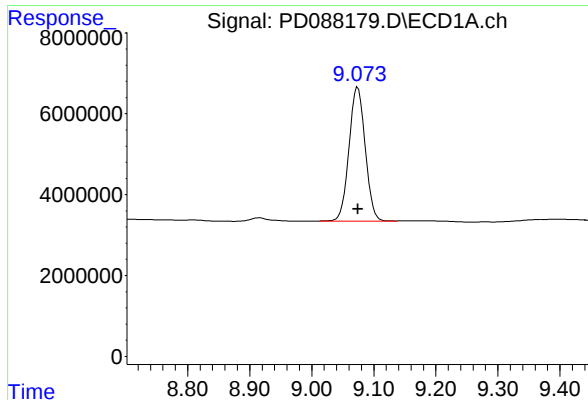
#22 Mirex

R.T.: 8.115 min  
Delta R.T.: 0.000 min  
Response: 201930889  
Conc: 85.99 ng/ml



#22 Mirex

R.T.: 7.189 min  
Delta R.T.: 0.000 min  
Response: 1115901930  
Conc: 75.29 ng/ml



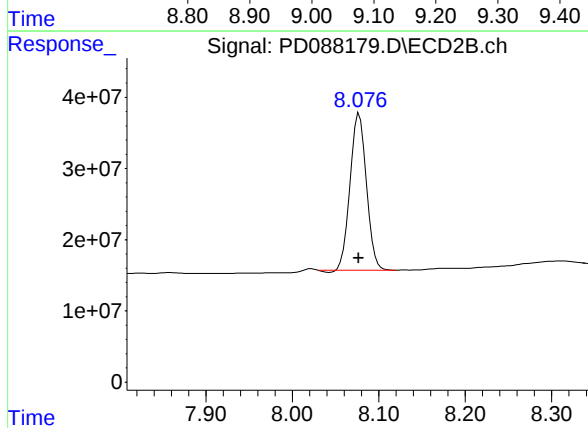
#28 Decachlorobiphenyl

R.T.: 9.074 min  
Delta R.T.: 0.000 min  
Response: 59832613  
Conc: 18.09 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PL-714-COMP-01MSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/22/2025  
Supervised By :mohammad ahmed 04/23/2025



#28 Decachlorobiphenyl

R.T.: 8.077 min  
Delta R.T.: 0.000 min  
Response: 288433051  
Conc: 15.61 ng/ml