

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD070225\  
 Data File : PD089283.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 01 Jul 2025 18:13  
 Operator : AR\AJ  
 Sample : Q2409-02MSD  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 COP-SOIL-PILEMSD

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 07/02/2025  
 Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jul 02 01:49:28 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD061825.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Jun 18 05:39:05 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 | 2.880 | 48435694 | 306.0E6  | 16.976  | 18.050m |
| 28)                         | SA Decachlor... | 9.072 | 8.071 | 77920899 | 388.2E6  | 19.839  | 19.635  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 4.000 | 3.392 | 275.0E6  | 1241.7E6 | 47.176  | 46.337m |
| 3)                          | MA gamma-BHC... | 4.331 | 3.728 | 269.8E6  | 1154.9E6 | 48.342  | 46.651m |
| 4)                          | MA Heptachlor   | 4.930 | 4.083 | 226.2E6  | 1016.4E6 | 41.482  | 40.594  |
| 5)                          | MB Aldrin       | 5.271 | 4.369 | 214.5E6  | 968.7E6  | 40.369  | 40.002  |
| 6)                          | B beta-BHC      | 4.516 | 4.026 | 102.1E6  | 501.6E6  | 46.243  | 46.680  |
| 7)                          | B delta-BHC     | 4.763 | 4.262 | 280.9E6  | 1172.7E6 | 54.723m | 47.148  |
| 8)                          | B Heptachlo...  | 5.691 | 4.873 | 226.2E6  | 1038.7E6 | 46.888  | 47.433  |
| 9)                          | A Endosulfan I  | 6.074 | 5.247 | 212.8E6  | 986.8E6  | 47.210  | 47.348  |
| 10)                         | B gamma-Chl...  | 5.946 | 5.126 | 224.5E6  | 1095.1E6 | 46.893  | 45.775  |
| 11)                         | B alpha-Chl...  | 6.027 | 5.190 | 224.7E6  | 1054.3E6 | 46.437  | 46.044  |
| 12)                         | B 4,4'-DDE      | 6.196 | 5.375 | 203.6E6  | 1056.1E6 | 46.682  | 46.087  |
| 13)                         | MA Dieldrin     | 6.347 | 5.512 | 229.4E6  | 1102.7E6 | 47.813  | 47.513  |
| 14)                         | MA Endrin       | 6.574 | 5.789 | 189.3E6  | 984.8E6  | 45.875  | 45.354  |
| 15)                         | B Endosulfa...  | 6.786 | 6.080 | 194.3E6  | 953.9E6  | 48.144  | 47.230  |
| 16)                         | A 4,4'-DDD      | 6.705 | 5.929 | 166.8E6  | 910.9E6  | 48.610  | 47.620  |
| 17)                         | MA 4,4'-DDT     | 7.021 | 6.183 | 164.8E6  | 849.4E6  | 43.502  | 41.884  |
| 18)                         | B Endrin al...  | 6.915 | 6.259 | 144.6E6  | 716.2E6  | 47.190  | 46.776  |
| 19)                         | B Endosulfa...  | 7.150 | 6.482 | 181.6E6  | 913.6E6  | 47.314  | 46.562  |
| 20)                         | A Methoxychlor  | 7.493 | 6.754 | 82257602 | 439.8E6  | 40.709  | 40.846  |
| 21)                         | B Endrin ke...  | 7.631 | 6.990 | 195.5E6  | 1006.8E6 | 47.986  | 46.606  |
| 22)                         | Mirex           | 8.114 | 7.185 | 140.3E6  | 743.1E6  | 46.147  | 44.555  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD070225\  
Data File : PD089283.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 01 Jul 2025 18:13  
Operator : AR\AJ  
Sample : Q2409-02MSD  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

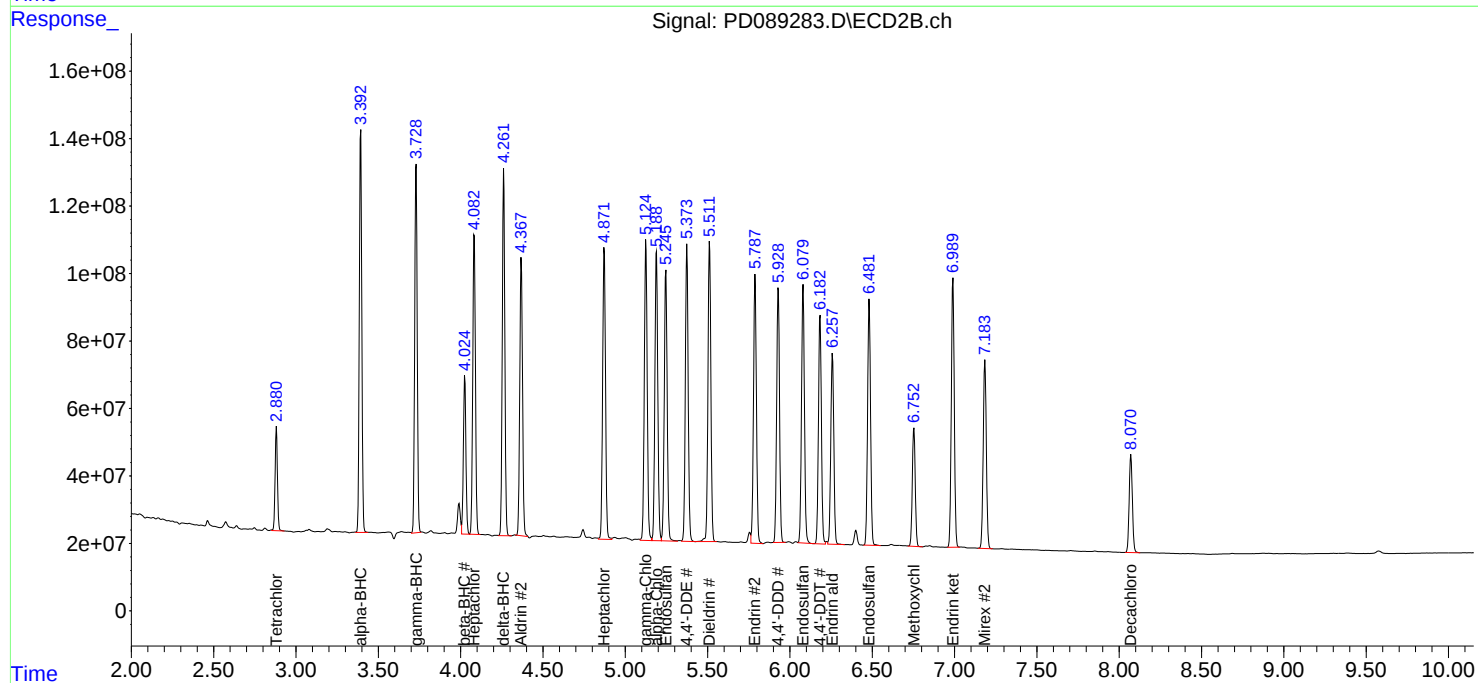
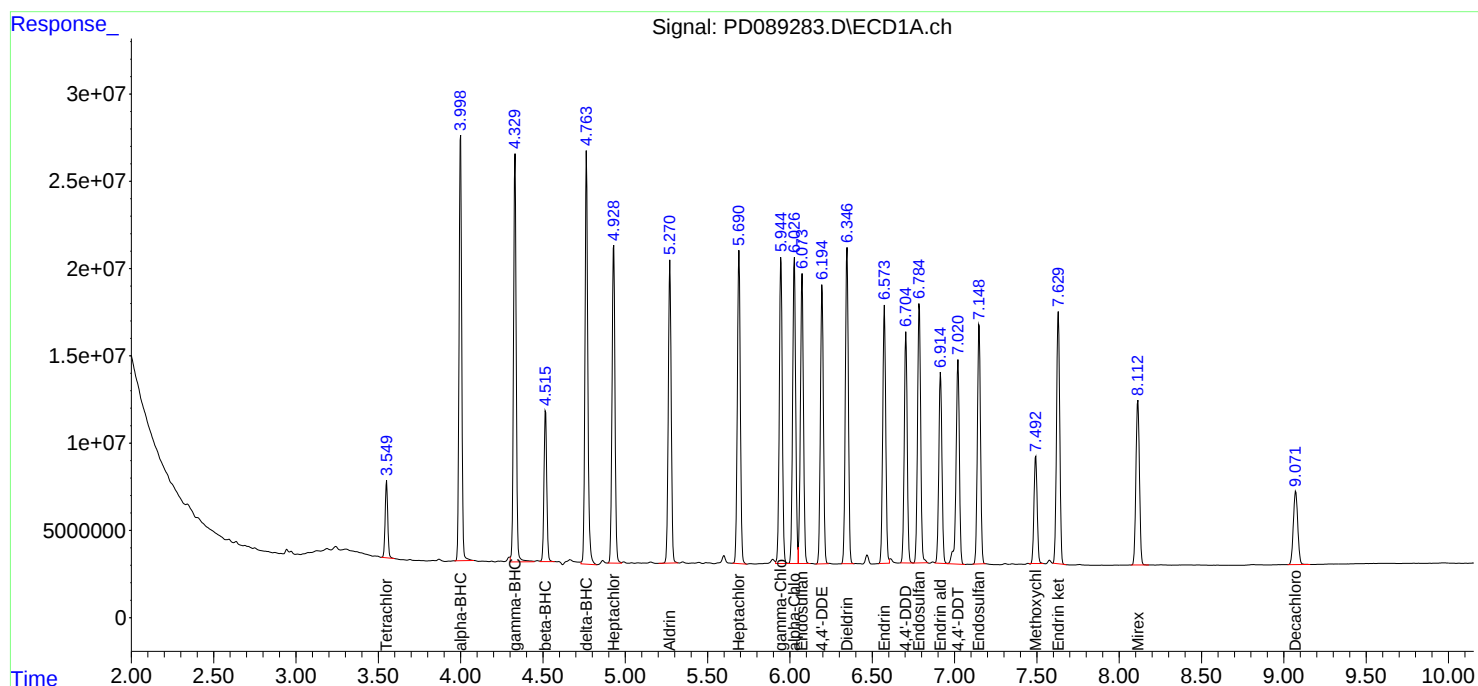
Instrument :  
ECD\_D  
ClientSampleId :  
COP-SOIL-PILEMSD

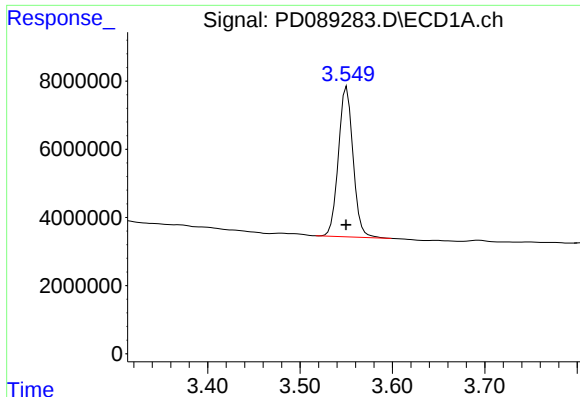
Manual Integrations  
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jul 02 01:49:28 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD061825.M  
Quant Title : GC Extractables  
QLast Update : Wed Jun 18 05:39:05 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





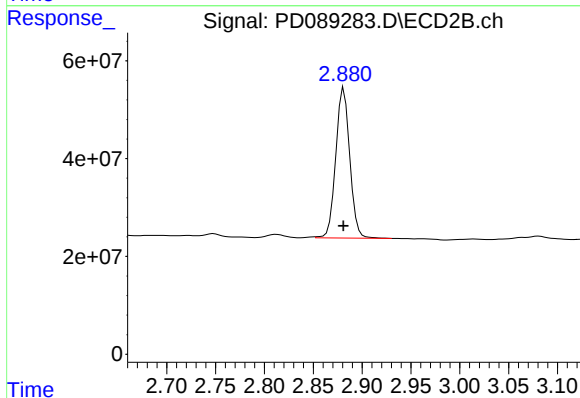
#1 Tetrachloro-m-xylene

R.T.: 3.551 min  
Delta R.T.: 0.000 min  
Response: 48435694  
Conc: 16.98 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COP-SOIL-PILEMSD

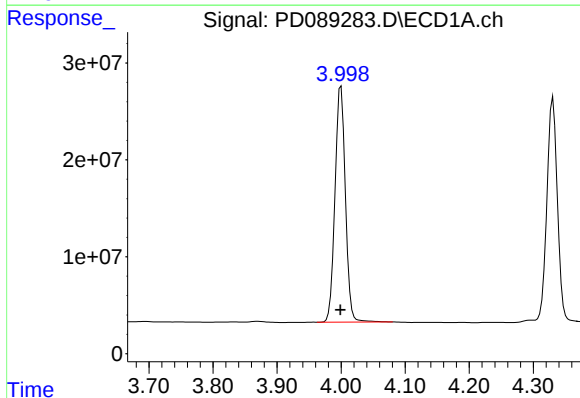
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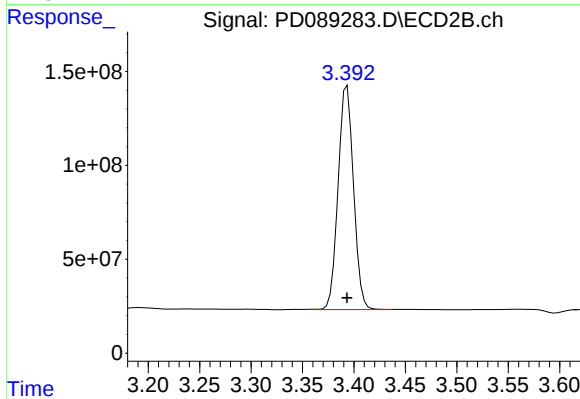
#1 Tetrachloro-m-xylene

R.T.: 2.880 min  
Delta R.T.: 0.000 min  
Response: 306010601  
Conc: 18.05 ng/ml m



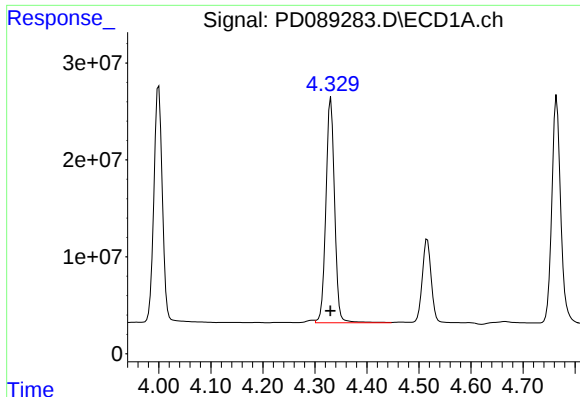
#2 alpha-BHC

R.T.: 4.000 min  
Delta R.T.: 0.000 min  
Response: 274991090  
Conc: 47.18 ng/ml



#2 alpha-BHC

R.T.: 3.392 min  
Delta R.T.: -0.001 min  
Response: 1241691991  
Conc: 46.34 ng/ml m



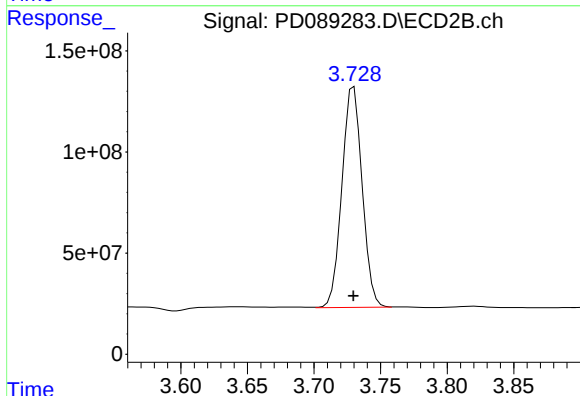
#3 gamma-BHC (Lindane)

R.T.: 4.331 min  
Delta R.T.: 0.000 min  
Response: 269829120  
Conc: 48.34 ng/ml

Instrument :  
ECD\_D  
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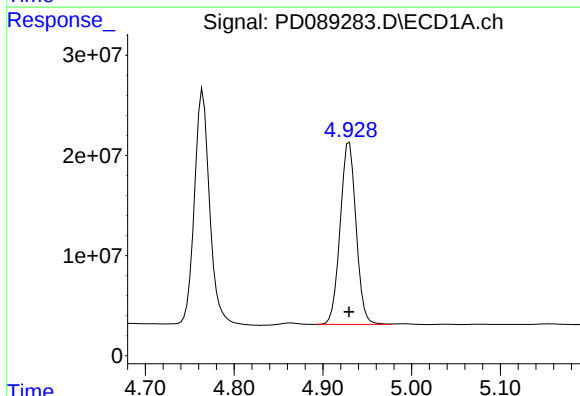
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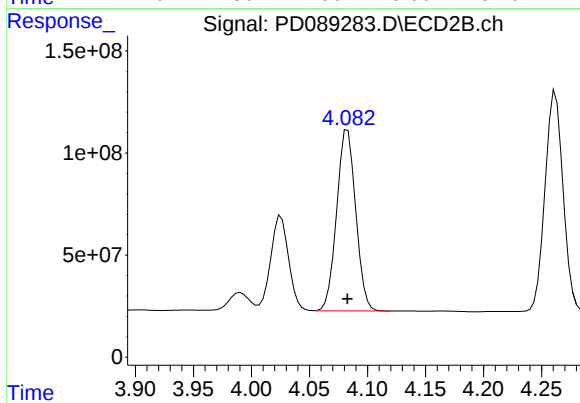
#3 gamma-BHC (Lindane)

R.T.: 3.728 min  
Delta R.T.: 0.000 min  
Response: 1154944866  
Conc: 46.65 ng/ml m



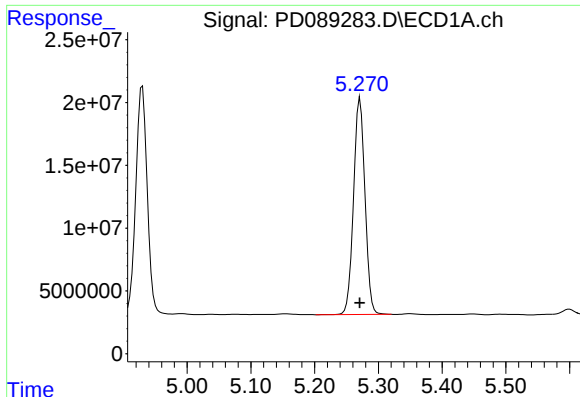
#4 Heptachlor

R.T.: 4.930 min  
Delta R.T.: 0.000 min  
Response: 226158750  
Conc: 41.48 ng/ml



#4 Heptachlor

R.T.: 4.083 min  
Delta R.T.: 0.000 min  
Response: 1016408685  
Conc: 40.59 ng/ml



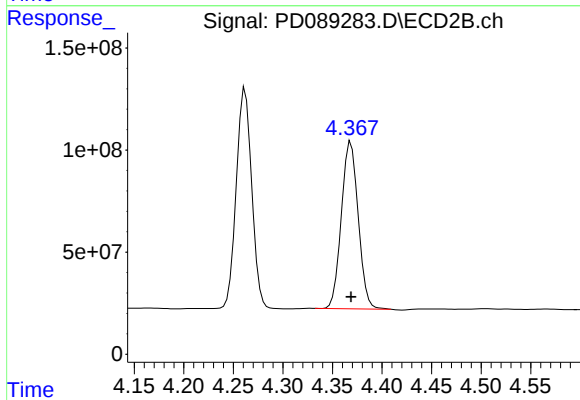
#5 Aldrin

R.T.: 5.271 min  
Delta R.T.: 0.000 min  
Response: 214477371  
Conc: 40.37 ng/ml

Instrument :  
ECD\_D  
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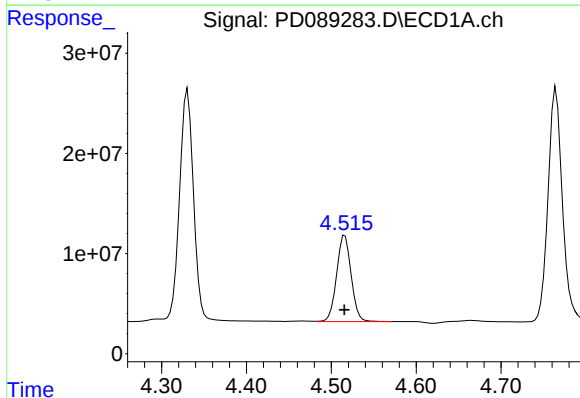
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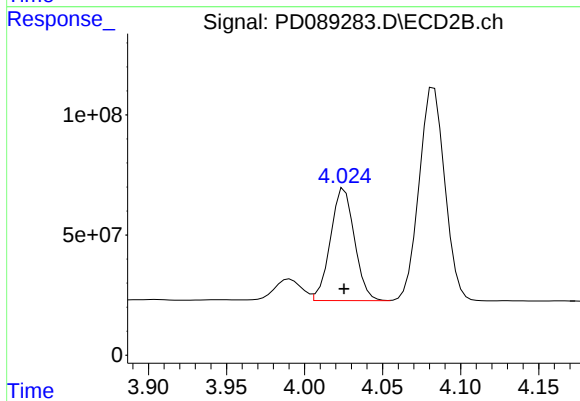
#5 Aldrin

R.T.: 4.369 min  
Delta R.T.: 0.000 min  
Response: 968731593  
Conc: 40.00 ng/ml



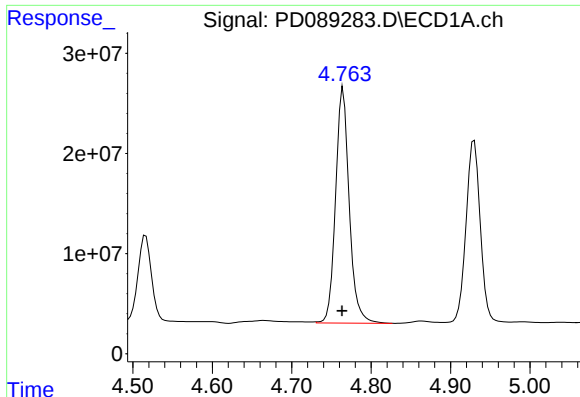
#6 beta-BHC

R.T.: 4.516 min  
Delta R.T.: 0.000 min  
Response: 102065188  
Conc: 46.24 ng/ml



#6 beta-BHC

R.T.: 4.026 min  
Delta R.T.: 0.000 min  
Response: 501631299  
Conc: 46.68 ng/ml



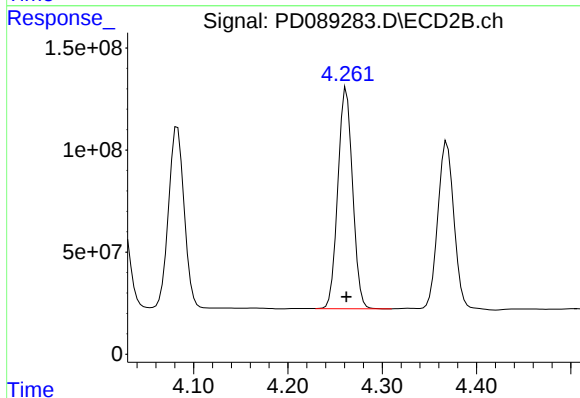
#7 delta-BHC

R.T.: 4.763 min  
Delta R.T.: 0.000 min  
Response: 280889376  
Conc: 54.72 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COP-SOIL-PILEMSD

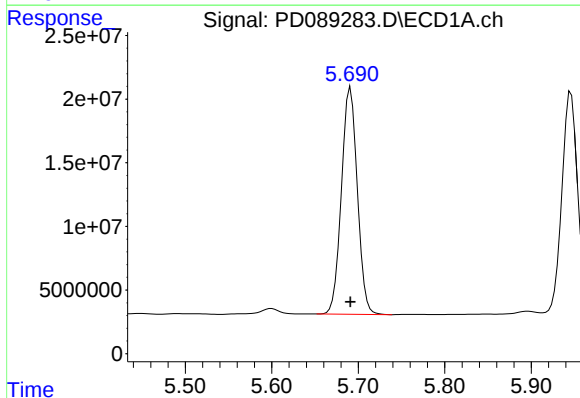
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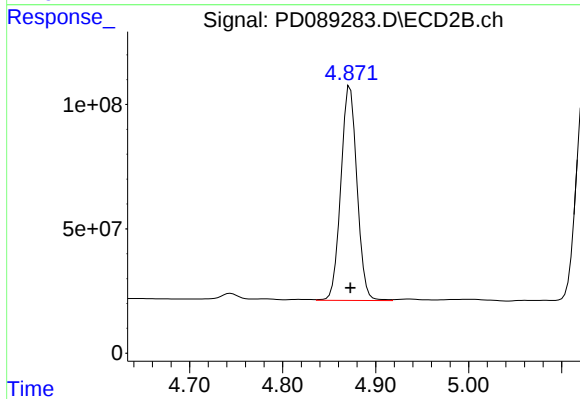
#7 delta-BHC

R.T.: 4.262 min  
Delta R.T.: 0.000 min  
Response: 1172733506  
Conc: 47.15 ng/ml



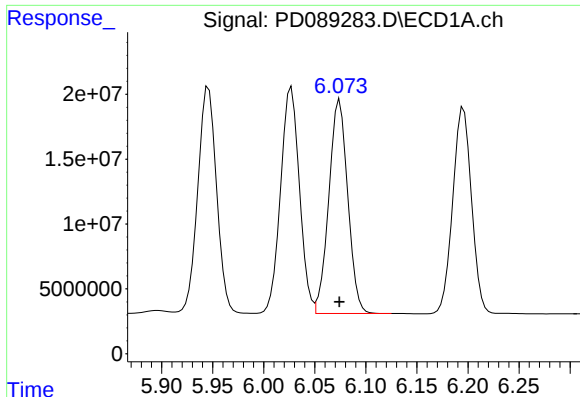
#8 Heptachlor epoxide

R.T.: 5.691 min  
Delta R.T.: 0.000 min  
Response: 226187056  
Conc: 46.89 ng/ml



#8 Heptachlor epoxide

R.T.: 4.873 min  
Delta R.T.: 0.000 min  
Response: 1038694758  
Conc: 47.43 ng/ml



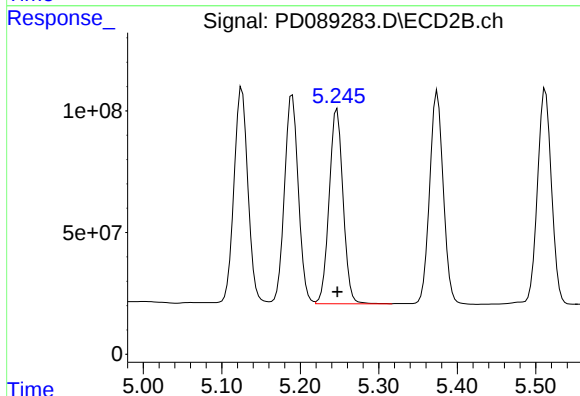
#9 Endosulfan I

R.T.: 6.074 min  
Delta R.T.: 0.000 min  
Response: 212796200  
Conc: 47.21 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COP-SOIL-PILEMSD

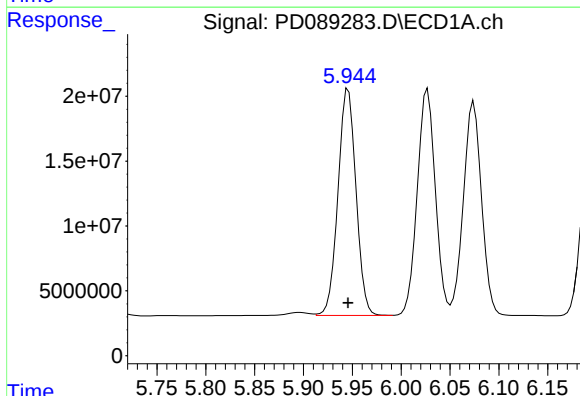
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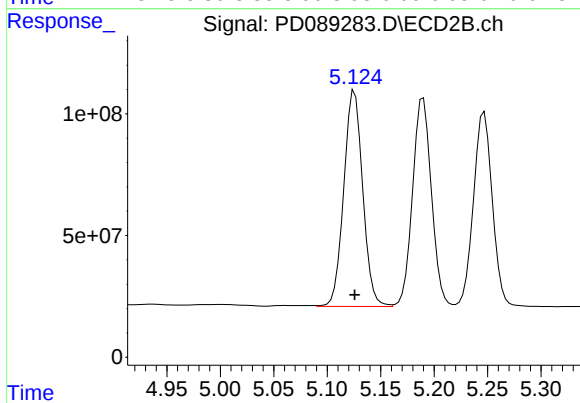
#9 Endosulfan I

R.T.: 5.247 min  
Delta R.T.: 0.000 min  
Response: 986838839  
Conc: 47.35 ng/ml



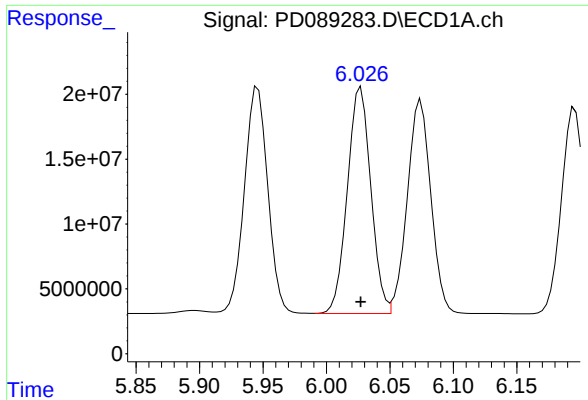
#10 gamma-Chlordane

R.T.: 5.946 min  
Delta R.T.: 0.000 min  
Response: 224529052  
Conc: 46.89 ng/ml



#10 gamma-Chlordane

R.T.: 5.126 min  
Delta R.T.: 0.000 min  
Response: 1095068009  
Conc: 45.78 ng/ml



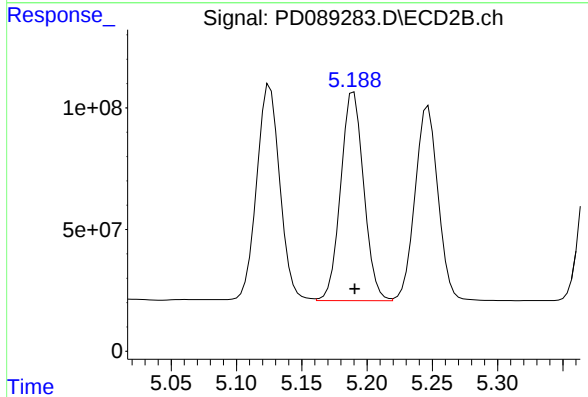
#11 alpha-Chlordane

R.T.: 6.027 min  
Delta R.T.: 0.000 min  
Response: 224687628  
Conc: 46.44 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COP-SOIL-PILEMSD

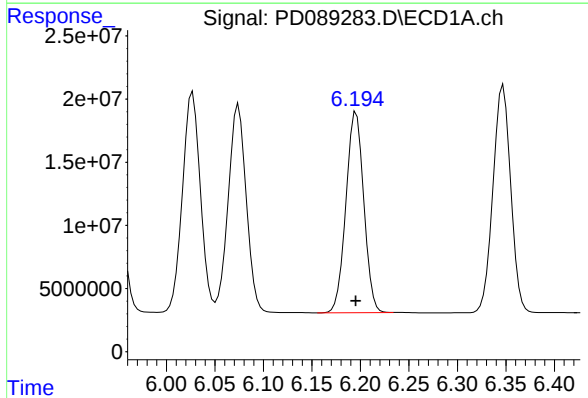
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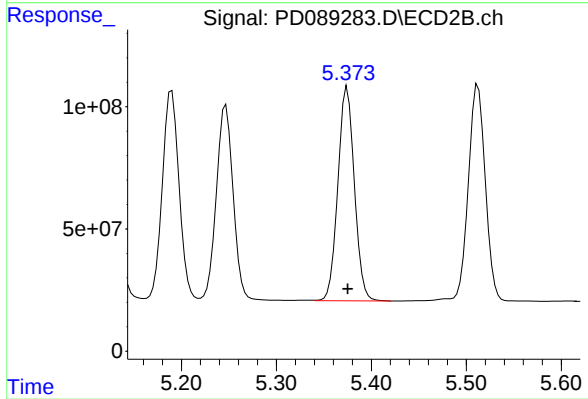
#11 alpha-Chlordane

R.T.: 5.190 min  
Delta R.T.: 0.000 min  
Response: 1054271775  
Conc: 46.04 ng/ml



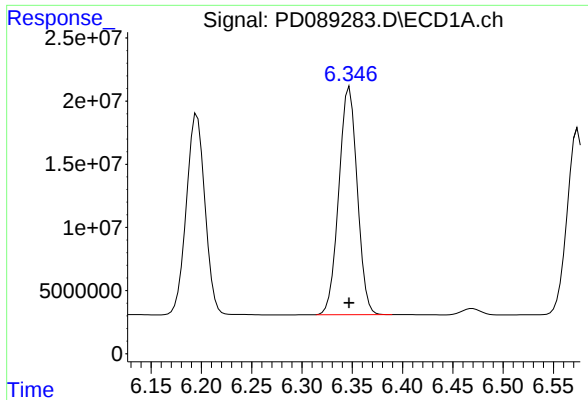
#12 4,4'-DDE

R.T.: 6.196 min  
Delta R.T.: 0.000 min  
Response: 203580413  
Conc: 46.68 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min  
Delta R.T.: 0.000 min  
Response: 1056139806  
Conc: 46.09 ng/ml



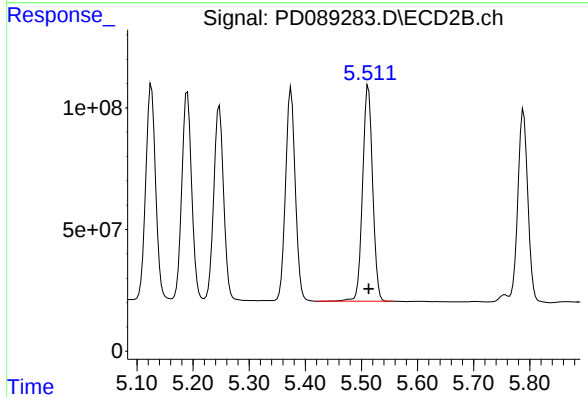
#13 Dieldrin

R.T.: 6.347 min  
Delta R.T.: 0.000 min  
Response: 229380037  
Conc: 47.81 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
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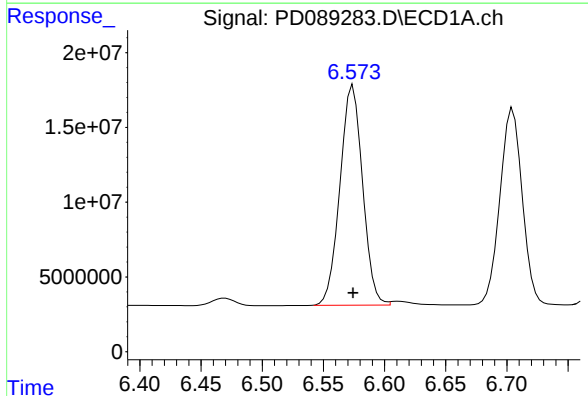
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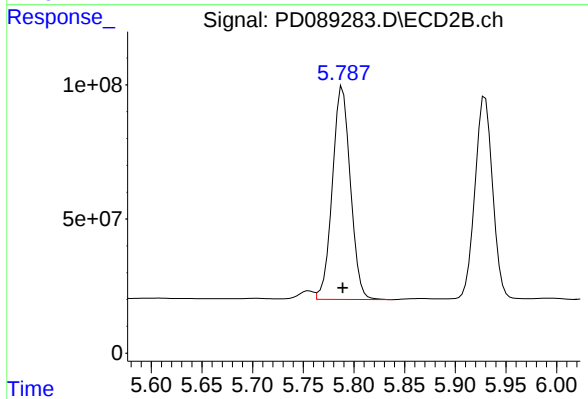
#13 Dieldrin

R.T.: 5.512 min  
Delta R.T.: 0.000 min  
Response: 1102708648  
Conc: 47.51 ng/ml



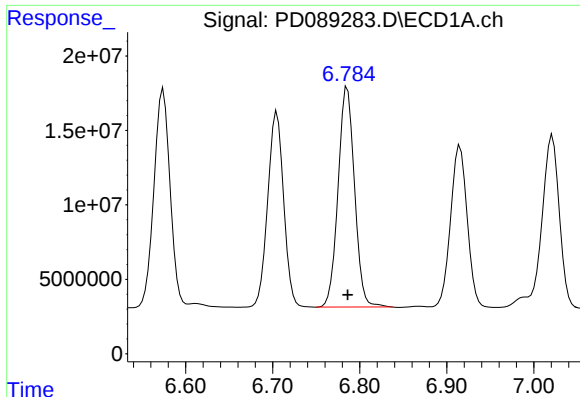
#14 Endrin

R.T.: 6.574 min  
Delta R.T.: 0.000 min  
Response: 189260093  
Conc: 45.87 ng/ml



#14 Endrin

R.T.: 5.789 min  
Delta R.T.: 0.000 min  
Response: 984806143  
Conc: 45.35 ng/ml



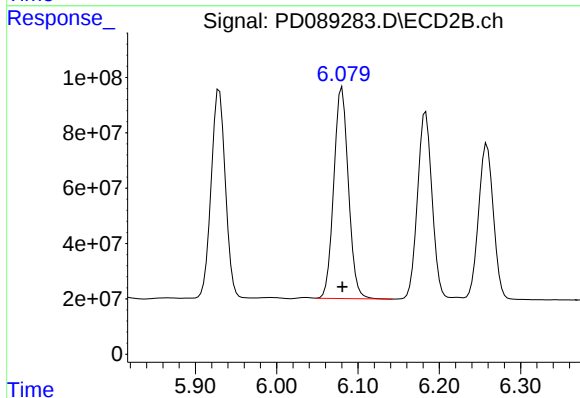
#15 Endosulfan II

R.T.: 6.786 min  
Delta R.T.: 0.000 min  
Response: 194337153  
Conc: 48.14 ng/ml

Instrument :  
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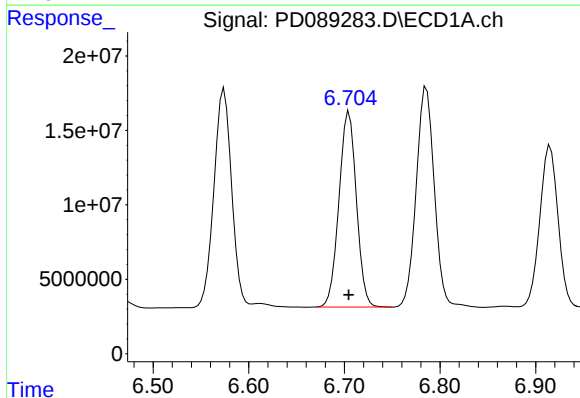
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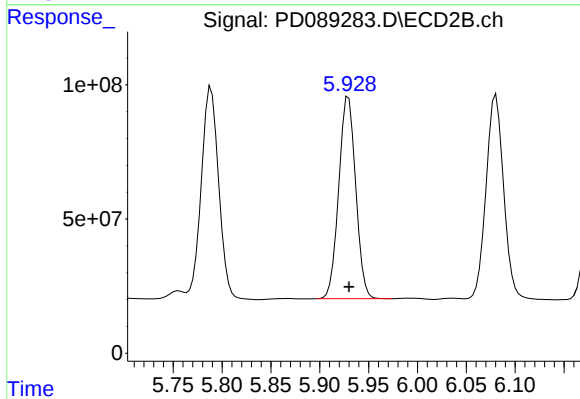
#15 Endosulfan II

R.T.: 6.080 min  
Delta R.T.: 0.000 min  
Response: 953888958  
Conc: 47.23 ng/ml



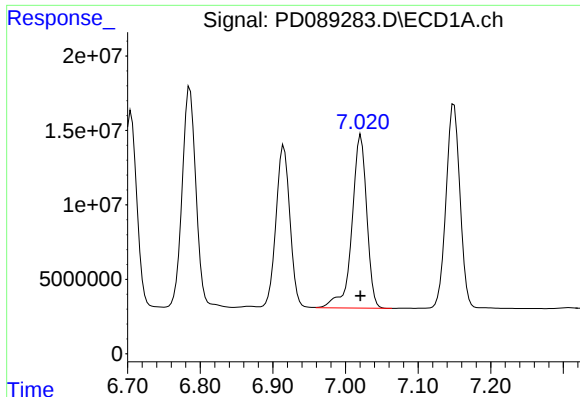
#16 4,4'-DDD

R.T.: 6.705 min  
Delta R.T.: 0.000 min  
Response: 166831914  
Conc: 48.61 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min  
Delta R.T.: 0.000 min  
Response: 910934986  
Conc: 47.62 ng/ml



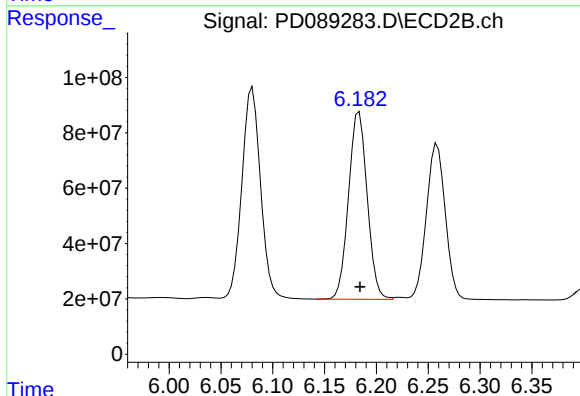
#17 4,4'-DDT

R.T.: 7.021 min  
Delta R.T.: 0.000 min  
Response: 164794193  
Conc: 43.50 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COP-SOIL-PILEMSD

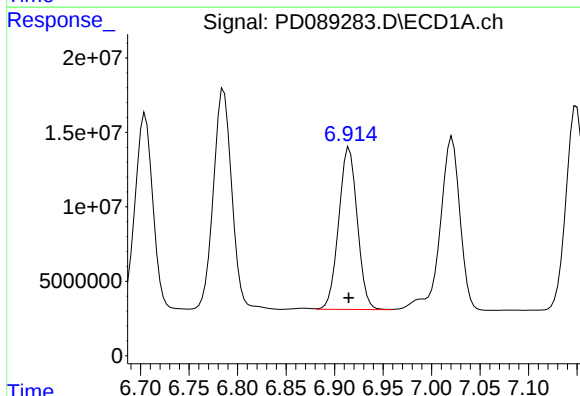
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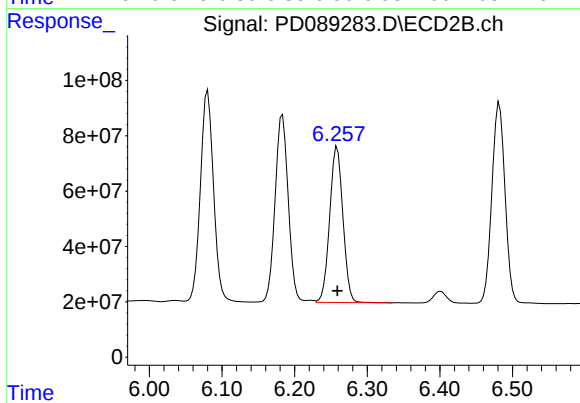
#17 4,4'-DDT

R.T.: 6.183 min  
Delta R.T.: 0.000 min  
Response: 849383743  
Conc: 41.88 ng/ml



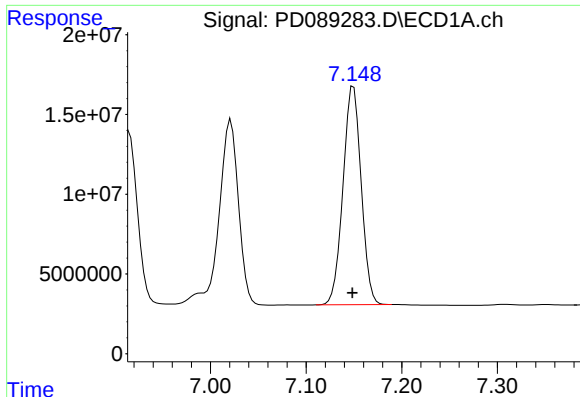
#18 Endrin aldehyde

R.T.: 6.915 min  
Delta R.T.: 0.000 min  
Response: 144586143  
Conc: 47.19 ng/ml



#18 Endrin aldehyde

R.T.: 6.259 min  
Delta R.T.: 0.000 min  
Response: 716201934  
Conc: 46.78 ng/ml



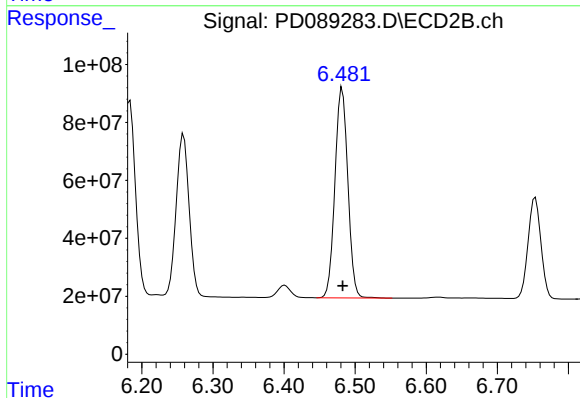
#19 Endosulfan Sulfate

R.T.: 7.150 min  
Delta R.T.: 0.001 min  
Response: 181554799  
Conc: 47.31 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COP-SOIL-PILEMSD

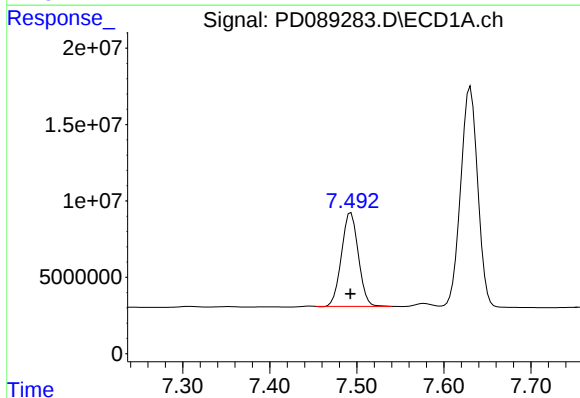
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 07/02/2025  
Supervised By :mohammad ahmed 07/04/2025



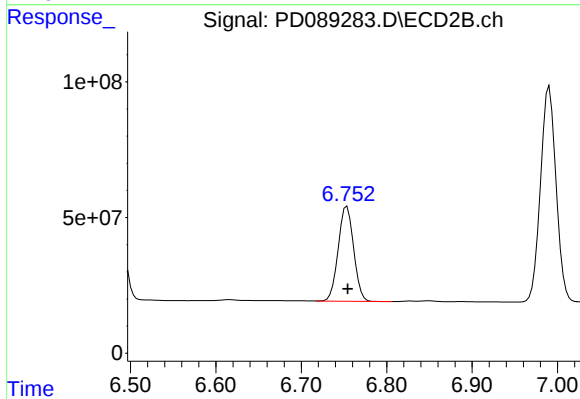
#19 Endosulfan Sulfate

R.T.: 6.482 min  
Delta R.T.: 0.000 min  
Response: 913587944  
Conc: 46.56 ng/ml



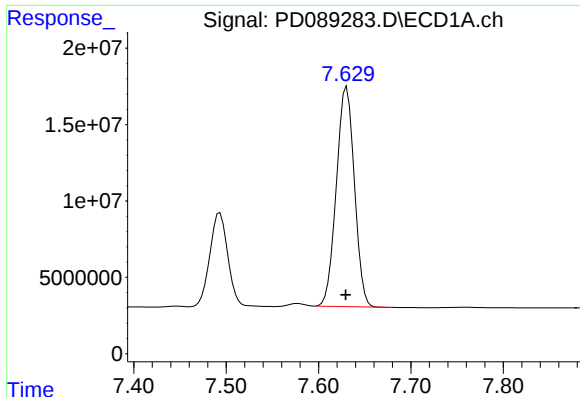
#20 Methoxychlor

R.T.: 7.493 min  
Delta R.T.: 0.000 min  
Response: 82257602  
Conc: 40.71 ng/ml



#20 Methoxychlor

R.T.: 6.754 min  
Delta R.T.: -0.001 min  
Response: 439838139  
Conc: 40.85 ng/ml



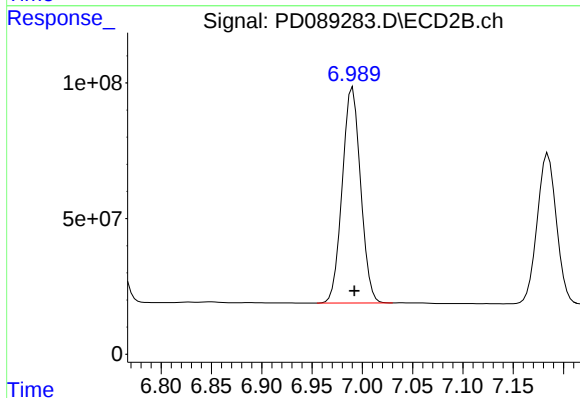
#21 Endrin ketone

R.T.: 7.631 min  
Delta R.T.: 0.001 min  
Response: 195451428  
Conc: 47.99 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COP-SOIL-PILEMSD

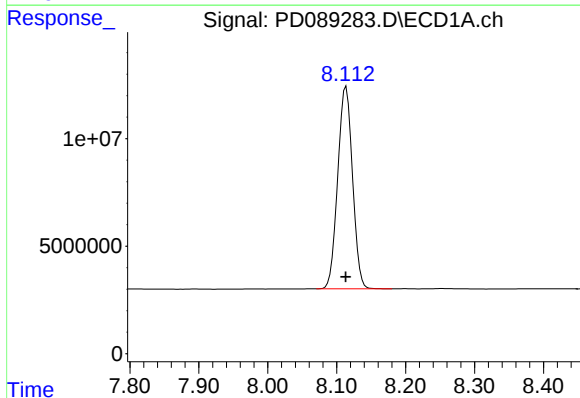
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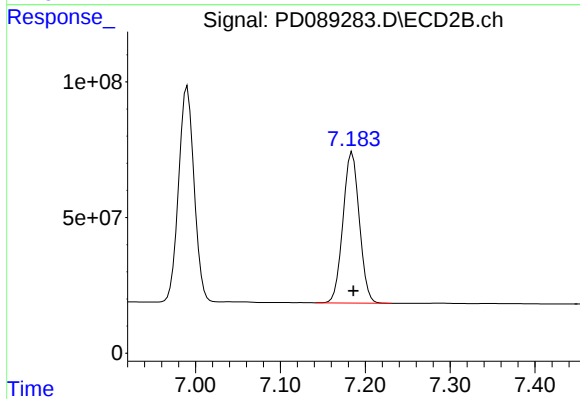
#21 Endrin ketone

R.T.: 6.990 min  
Delta R.T.: -0.002 min  
Response: 1006763150  
Conc: 46.61 ng/ml



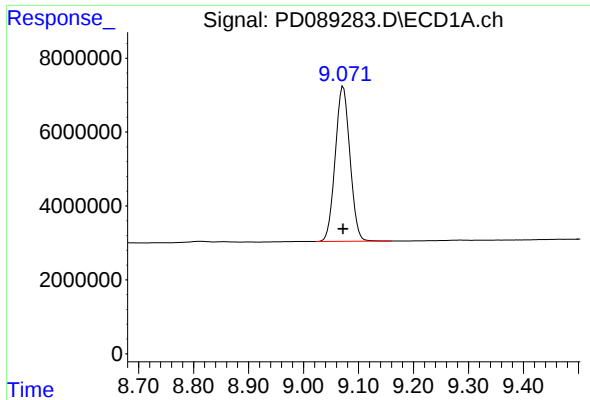
#22 Mirex

R.T.: 8.114 min  
Delta R.T.: 0.000 min  
Response: 140291831  
Conc: 46.15 ng/ml



#22 Mirex

R.T.: 7.185 min  
Delta R.T.: -0.001 min  
Response: 743089490  
Conc: 44.55 ng/ml



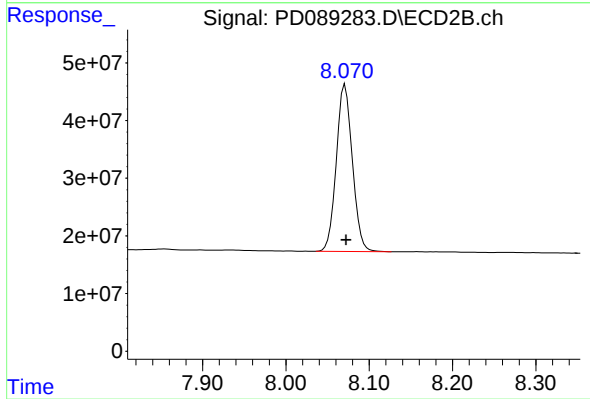
#28 Decachlorobiphenyl

R.T.: 9.072 min  
Delta R.T.: 0.000 min  
Response: 77920899  
Conc: 19.84 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
COP-SOIL-PILEMSD

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#28 Decachlorobiphenyl

R.T.: 8.071 min  
Delta R.T.: -0.001 min  
Response: 388191220  
Conc: 19.64 ng/ml