

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL122123\  
 Data File : PL087319.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Dec 2023 13:33  
 Operator : AR\AJ  
 Sample : 05892-02MSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 GHL-SS-16-2-4MSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 01/05/2024  
 Supervised By :mohammad ahmed 01/05/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Dec 22 00:26:20 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL121523.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Dec 16 04:03:23 2023  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|----------|
| -----                       |                 |       |       |          |          |         |          |
| System Monitoring Compounds |                 |       |       |          |          |         |          |
| 1)                          | SA Tetrachlo... | 3.422 | 2.679 | 43864192 | 21860581 | 11.655  | 12.987   |
| 28)                         | SA Decachlor... | 8.980 | 7.868 | 35370043 | 15955296 | 10.373  | 9.447    |
| Target Compounds            |                 |       |       |          |          |         |          |
| 2)                          | A alpha-BHC     | 3.878 | 3.181 | 179.7E6  | 75455834 | 33.199  | 30.703m  |
| 3)                          | MA gamma-BHC... | 4.212 | 3.513 | 169.4E6  | 71944350 | 32.241  | 29.700   |
| 4)                          | MA Heptachlor   | 4.803 | 3.855 | 178.1E6  | 73321157 | 33.431m | 30.675   |
| 5)                          | MB Aldrin       | 5.147 | 4.136 | 160.3E6  | 68711785 | 30.797  | 28.657   |
| 6)                          | B beta-BHC      | 4.411 | 3.814 | 75890159 | 30527440 | 33.042  | 29.325   |
| 7)                          | B delta-BHC     | 4.657 | 4.044 | 159.9E6  | 68945309 | 30.583m | 28.185   |
| 8)                          | B Heptachlo...  | 5.578 | 4.644 | 154.7E6  | 63537620 | 32.834  | 28.552   |
| 9)                          | A Endosulfan I  | 5.965 | 5.015 | 138.9E6  | 77862556 | 31.110  | 36.028   |
| 10)                         | B gamma-Chl...  | 5.836 | 4.898 | 150.9E6  | 65357461 | 31.136  | 28.574   |
| 11)                         | B alpha-Chl...  | 5.917 | 4.962 | 146.2E6  | 73042926 | 30.415  | 31.647   |
| 12)                         | B 4,4'-DDE      | 6.098 | 5.160 | 122.8E6  | 53067479 | 29.640  | 26.727   |
| 13)                         | MA Dieldrin     | 6.243 | 5.281 | 141.7E6  | 57353382 | 30.543  | 25.745m  |
| 14)                         | MA Endrin       | 6.472 | 5.559 | 121.8E6  | 83960868 | 31.655  | 42.072 # |
| 15)                         | B Endosulfa...  | 6.694 | 5.854 | 114.1E6  | 48685489 | 28.451  | 25.005m  |
| 16)                         | A 4,4'-DDD      | 6.618 | 5.718 | 100.9E6  | 43990933 | 30.542  | 26.569   |
| 17)                         | MA 4,4'-DDT     | 6.936 | 5.971 | 113.2E6  | 51646647 | 30.099  | 28.003   |
| 18)                         | B Endrin al...  | 6.824 | 6.037 | 90707338 | 39610072 | 31.296m | 26.989   |
| 19)                         | B Endosulfa...  | 7.063 | 6.263 | 122.2E6  | 53122753 | 31.129  | 28.199   |
| 20)                         | A Methoxychlor  | 7.420 | 6.557 | 59830758 | 28904855 | 30.684  | 28.299   |
| 21)                         | B Endrin ke...  | 7.547 | 6.767 | 127.8E6  | 62564741 | 31.409m | 29.391m  |
| 22)                         | Mirex           | 8.026 | 6.951 | 104.8E6  | 49359259 | 31.111  | 27.744   |
| -----                       |                 |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL122123\  
Data File : PL087319.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Dec 2023 13:33  
Operator : AR\AJ  
Sample : 05892-02MSD  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

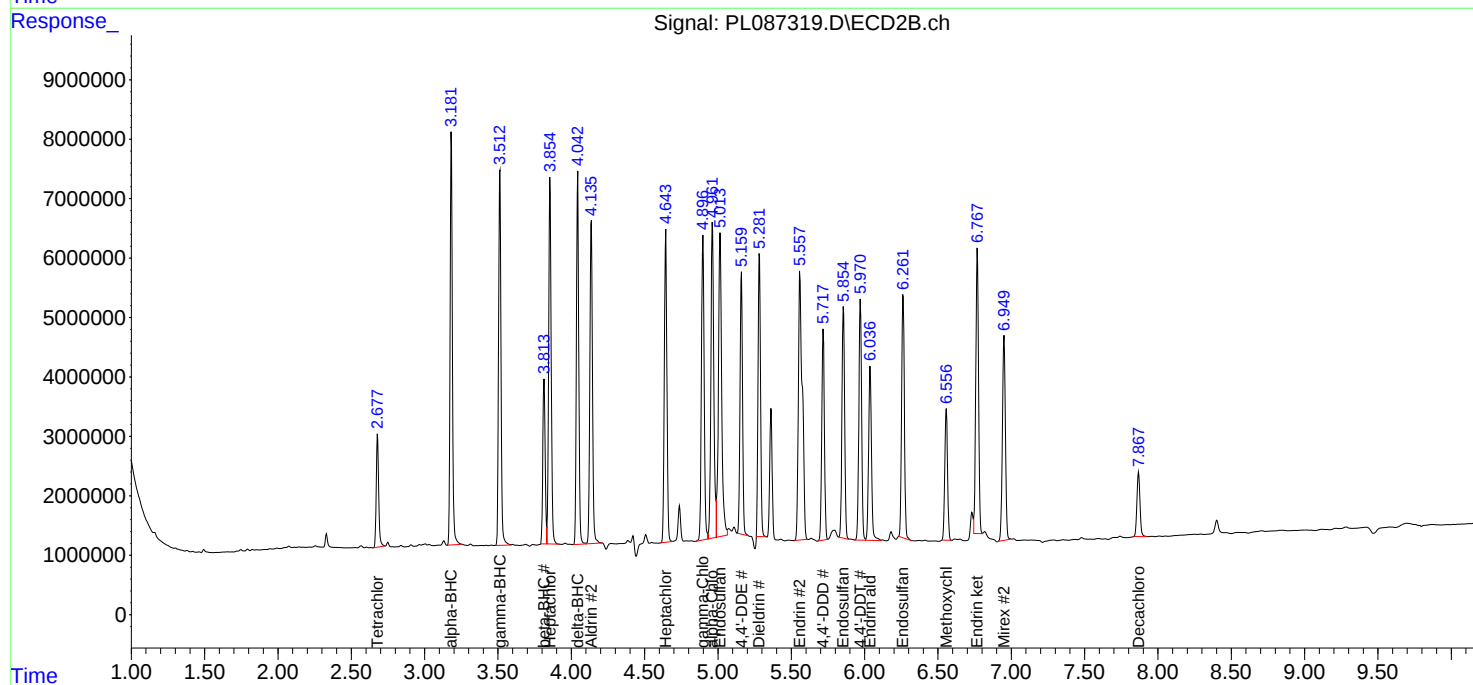
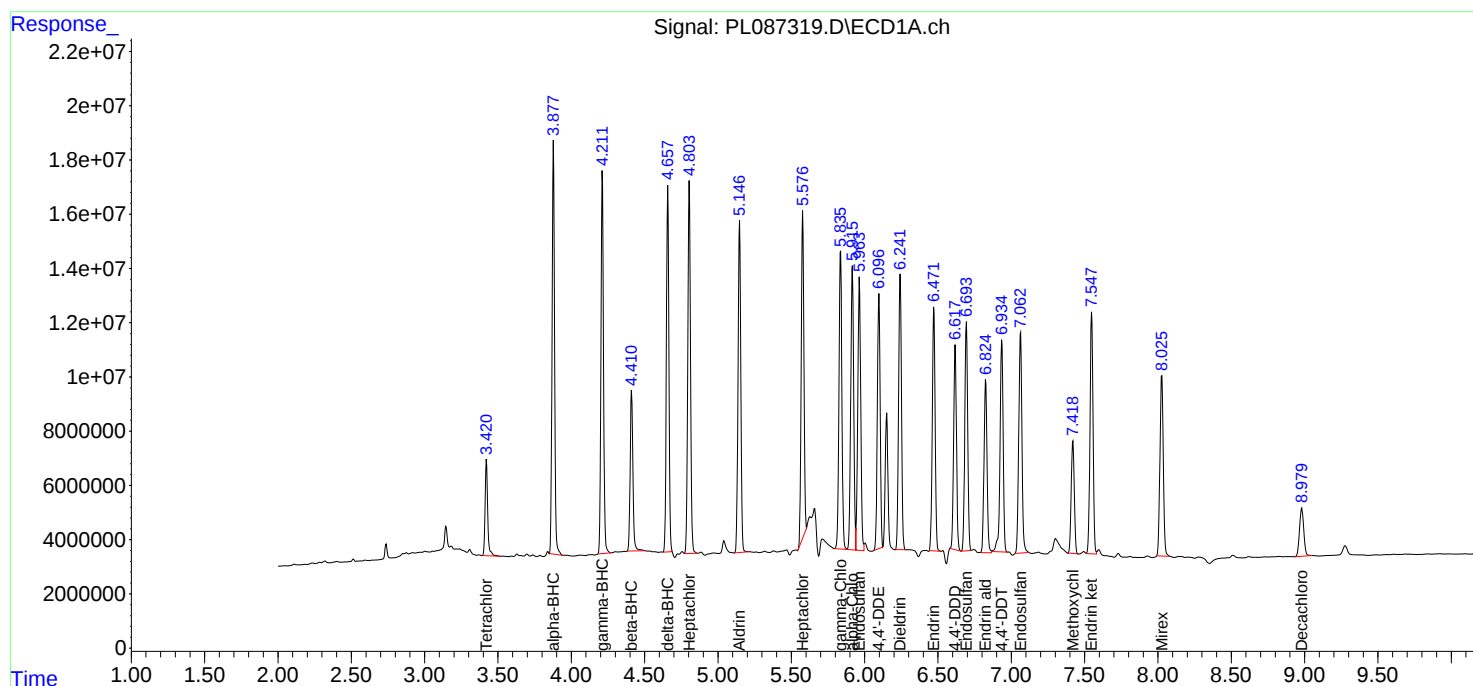
Instrument :  
ECD\_L  
ClientSampleId :  
GHL-SS-16-2-4MSD

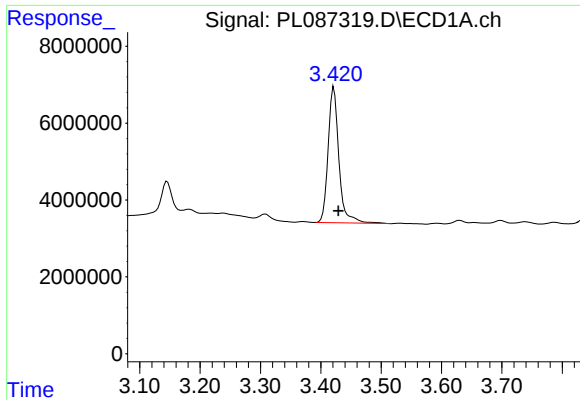
Manual Integrations  
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 22 00:26:20 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL121523.M  
Quant Title : GC Extractables  
QLast Update : Sat Dec 16 04:03:23 2023  
Response via : Initial Calibration  
Integrator: ChemStation

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





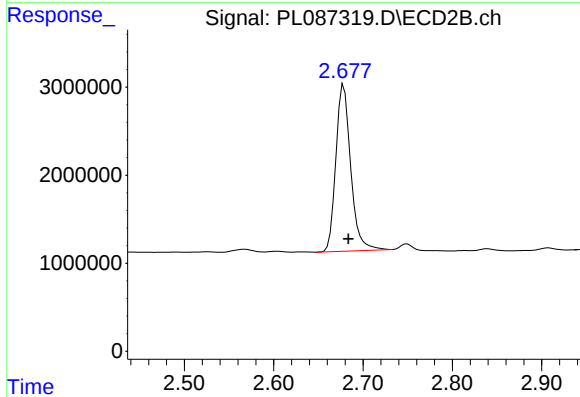
#1 Tetrachloro-m-xylene

R.T.: 3.422 min  
Delta R.T.: -0.007 min  
Response: 43864192  
Conc: 11.66 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GHL-SS-16-2-4MSD

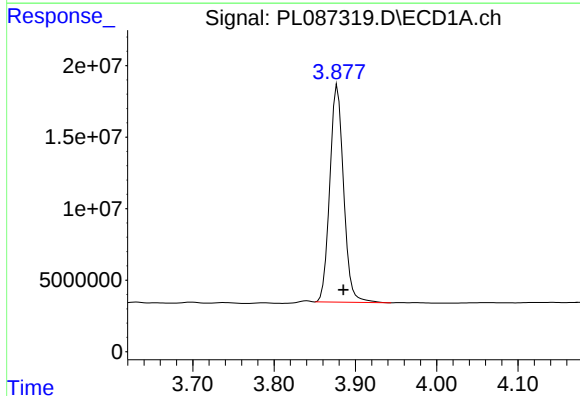
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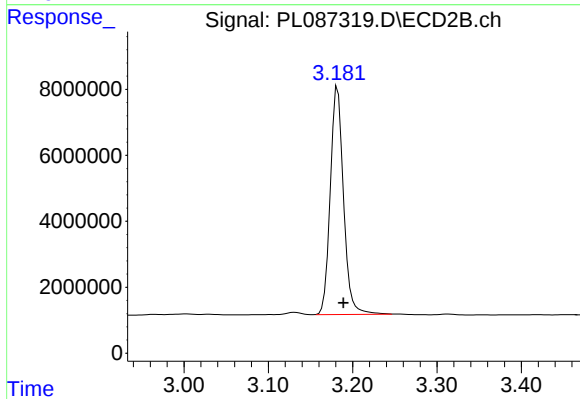
#1 Tetrachloro-m-xylene

R.T.: 2.679 min  
Delta R.T.: -0.005 min  
Response: 21860581  
Conc: 12.99 ng/ml



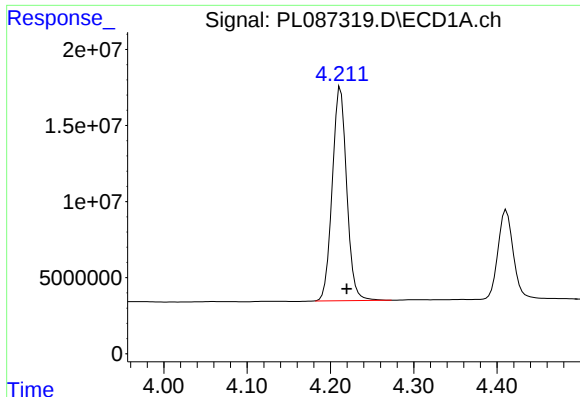
#2 alpha-BHC

R.T.: 3.878 min  
Delta R.T.: -0.007 min  
Response: 179742678  
Conc: 33.20 ng/ml



#2 alpha-BHC

R.T.: 3.181 min  
Delta R.T.: -0.008 min  
Response: 75455834  
Conc: 30.70 ng/ml m



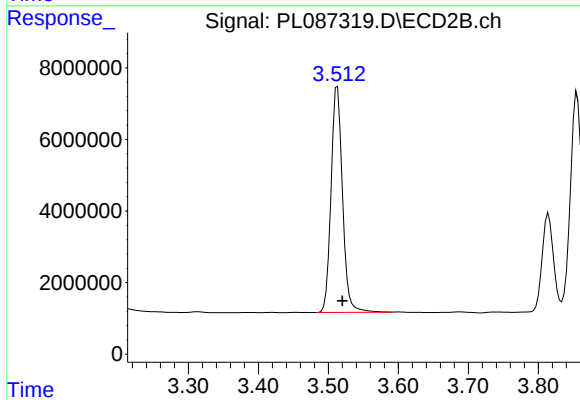
#3 gamma-BHC (Lindane)

R.T.: 4.212 min  
Delta R.T.: -0.008 min  
Response: 169447750  
Conc: 32.24 ng/ml

Instrument :  
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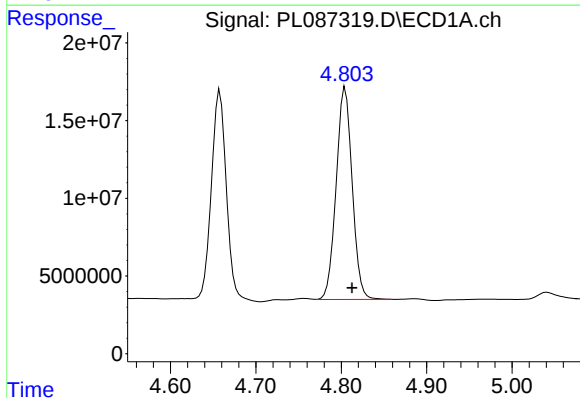
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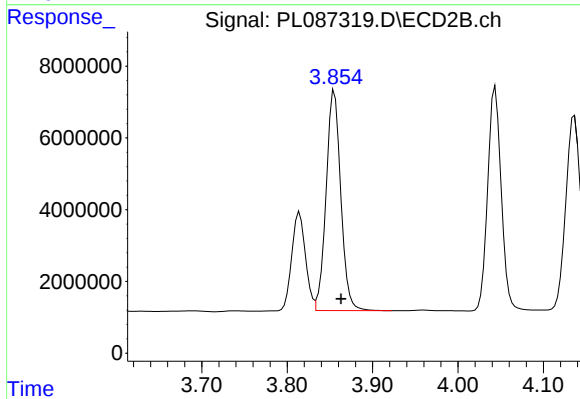
#3 gamma-BHC (Lindane)

R.T.: 3.513 min  
Delta R.T.: -0.007 min  
Response: 71944350  
Conc: 29.70 ng/ml



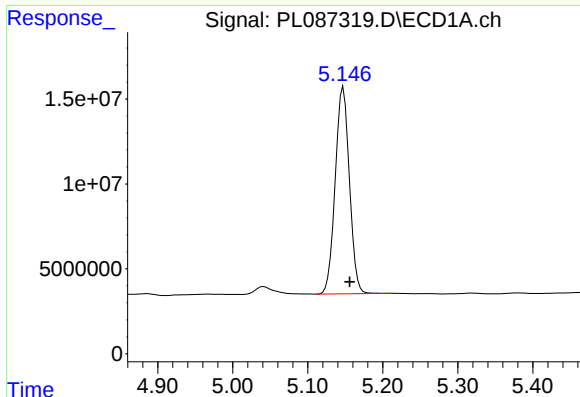
#4 Heptachlor

R.T.: 4.803 min  
Delta R.T.: -0.009 min  
Response: 178072457  
Conc: 33.43 ng/ml m



#4 Heptachlor

R.T.: 3.855 min  
Delta R.T.: -0.008 min  
Response: 73321157  
Conc: 30.67 ng/ml



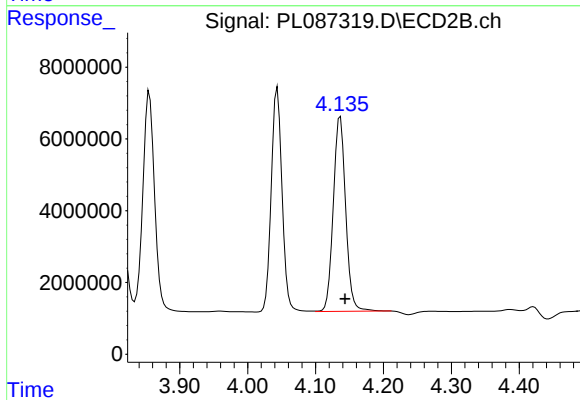
#5 Aldrin

R.T.: 5.147 min  
Delta R.T.: -0.009 min  
Response: 160339928  
Conc: 30.80 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GHL-SS-16-2-4MSD

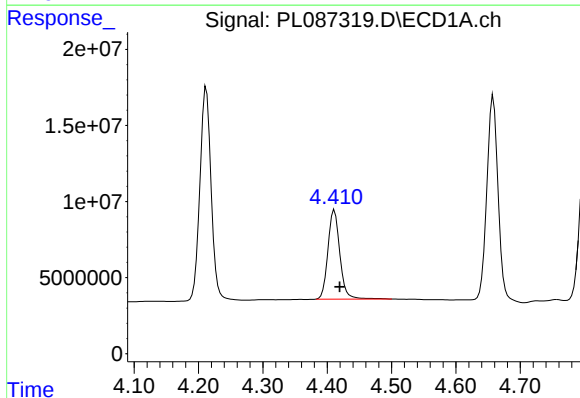
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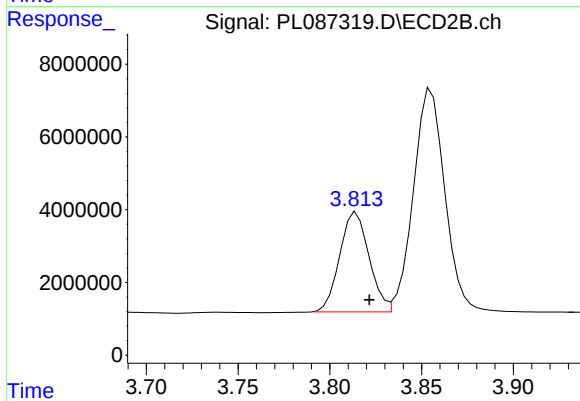
#5 Aldrin

R.T.: 4.136 min  
Delta R.T.: -0.007 min  
Response: 68711785  
Conc: 28.66 ng/ml



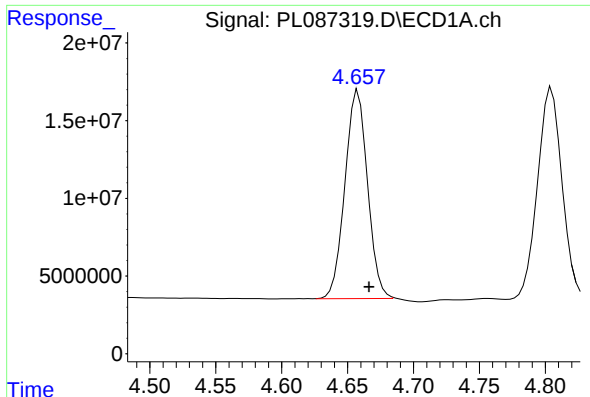
#6 beta-BHC

R.T.: 4.411 min  
Delta R.T.: -0.008 min  
Response: 75890159  
Conc: 33.04 ng/ml



#6 beta-BHC

R.T.: 3.814 min  
Delta R.T.: -0.007 min  
Response: 30527440  
Conc: 29.33 ng/ml



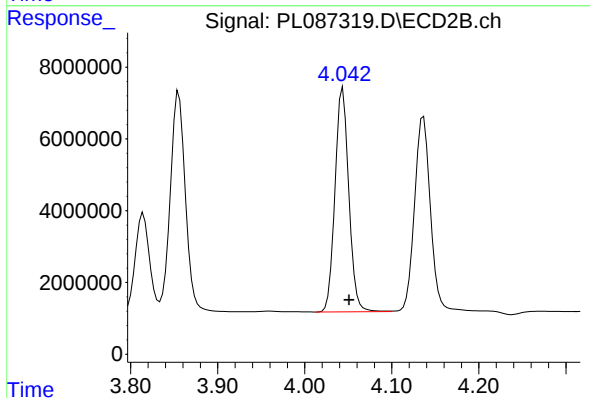
#7 delta-BHC

R.T.: 4.657 min  
Delta R.T.: -0.010 min  
Response: 159929635  
Conc: 30.58 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GHL-SS-16-2-4MSD

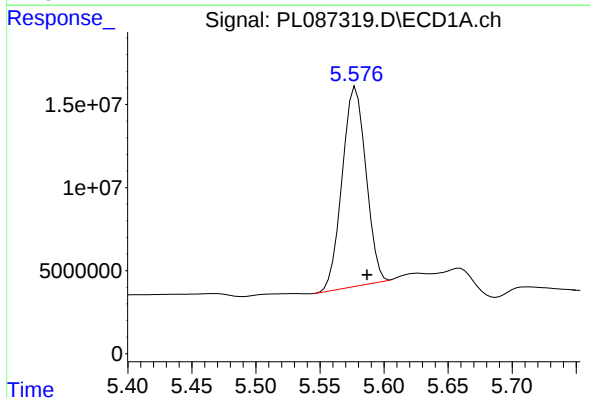
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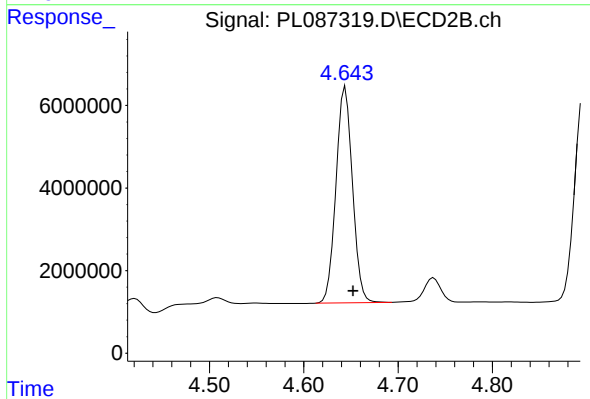
#7 delta-BHC

R.T.: 4.044 min  
Delta R.T.: -0.007 min  
Response: 68945309  
Conc: 28.18 ng/ml



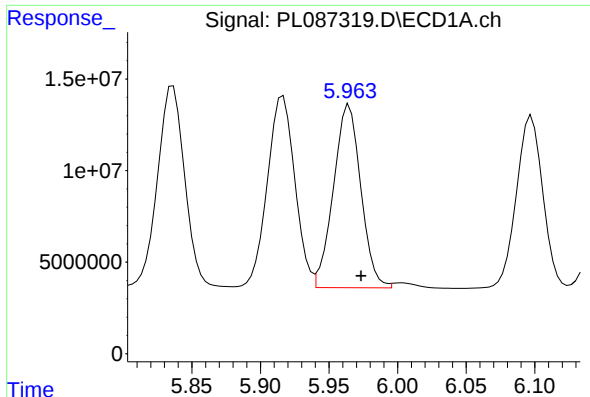
#8 Heptachlor epoxide

R.T.: 5.578 min  
Delta R.T.: -0.009 min  
Response: 154740855  
Conc: 32.83 ng/ml



#8 Heptachlor epoxide

R.T.: 4.644 min  
Delta R.T.: -0.008 min  
Response: 63537620  
Conc: 28.55 ng/ml



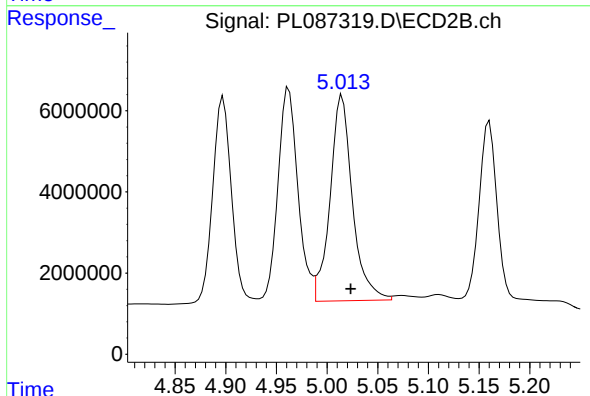
#9 Endosulfan I

R.T.: 5.965 min  
Delta R.T.: -0.009 min  
Response: 138947761  
Conc: 31.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GHL-SS-16-2-4MSD

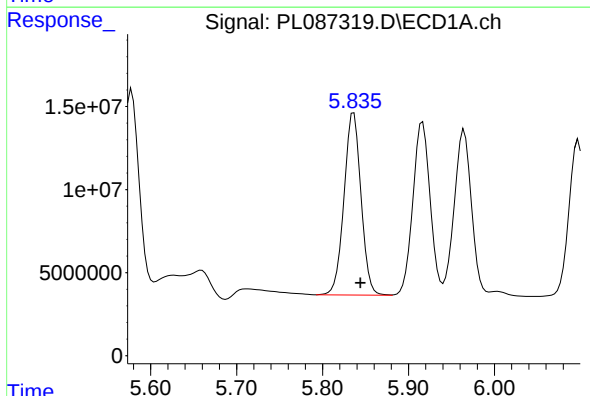
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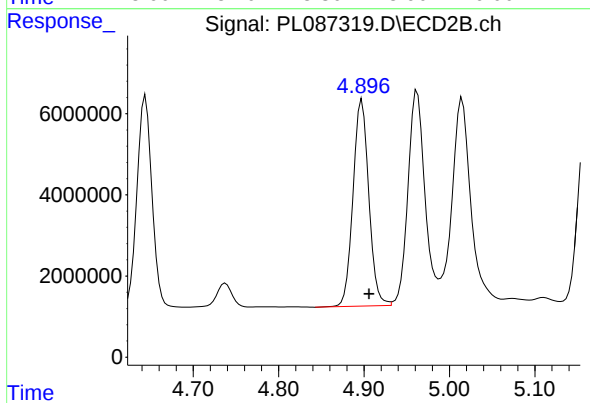
#9 Endosulfan I

R.T.: 5.015 min  
Delta R.T.: -0.009 min  
Response: 77862556  
Conc: 36.03 ng/ml



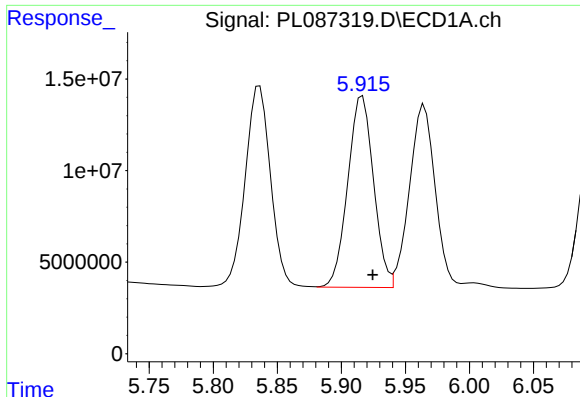
#10 gamma-Chlordane

R.T.: 5.836 min  
Delta R.T.: -0.008 min  
Response: 150948627  
Conc: 31.14 ng/ml



#10 gamma-Chlordane

R.T.: 4.898 min  
Delta R.T.: -0.008 min  
Response: 65357461  
Conc: 28.57 ng/ml



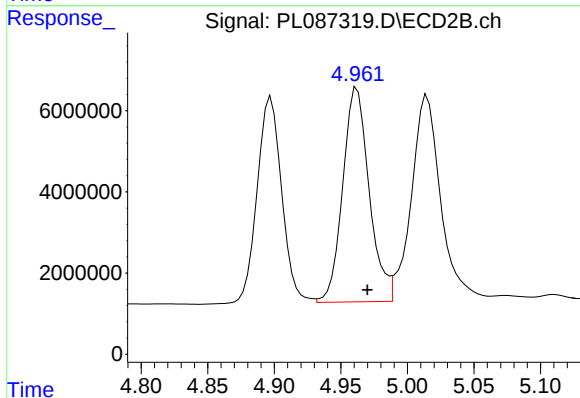
#11 alpha-Chlordane

R.T.: 5.917 min  
Delta R.T.: -0.008 min  
Response: 146178368  
Conc: 30.41 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GHL-SS-16-2-4MSD

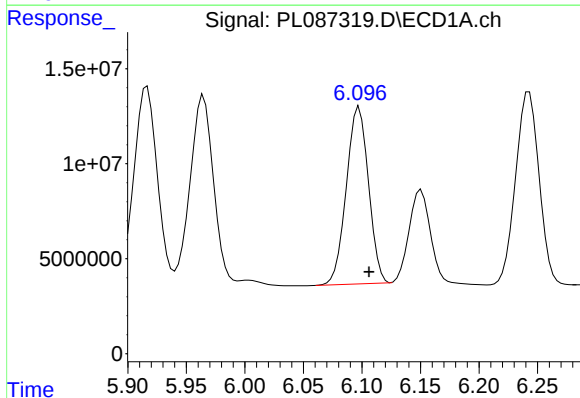
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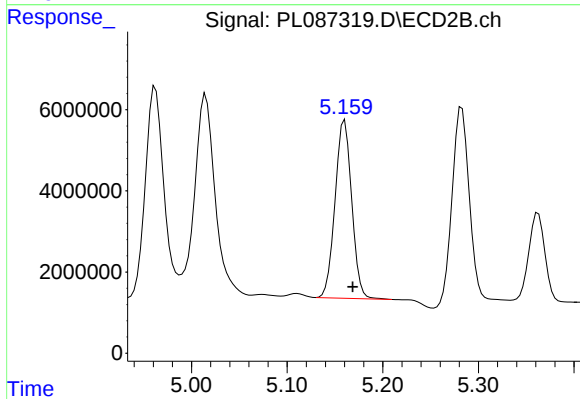
#11 alpha-Chlordane

R.T.: 4.962 min  
Delta R.T.: -0.008 min  
Response: 73042926  
Conc: 31.65 ng/ml



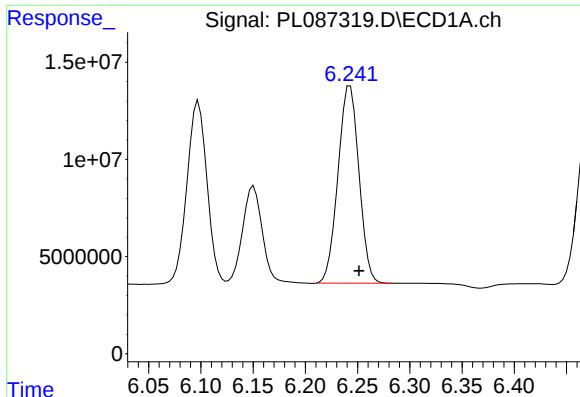
#12 4,4'-DDE

R.T.: 6.098 min  
Delta R.T.: -0.008 min  
Response: 122827485  
Conc: 29.64 ng/ml



#12 4,4'-DDE

R.T.: 5.160 min  
Delta R.T.: -0.008 min  
Response: 53067479  
Conc: 26.73 ng/ml



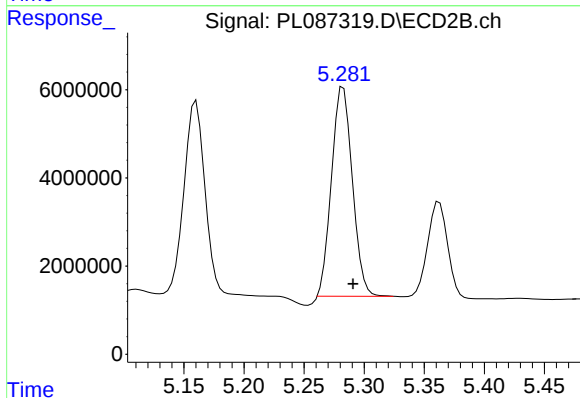
#13 Dieldrin

R.T.: 6.243 min  
Delta R.T.: -0.009 min  
Response: 141746011  
Conc: 30.54 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GHL-SS-16-2-4MSD

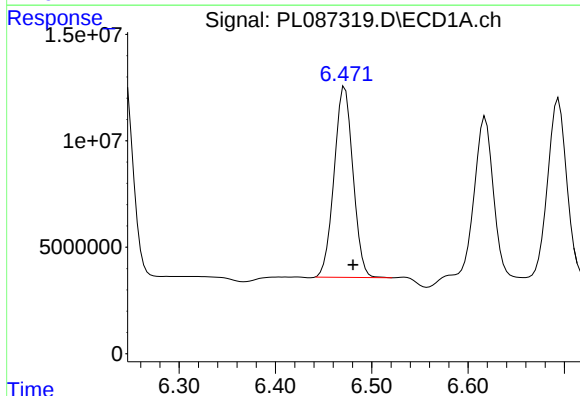
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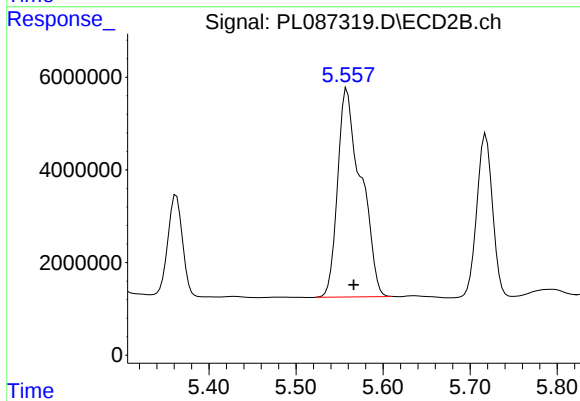
#13 Dieldrin

R.T.: 5.281 min  
Delta R.T.: -0.010 min  
Response: 57353382  
Conc: 25.74 ng/ml m



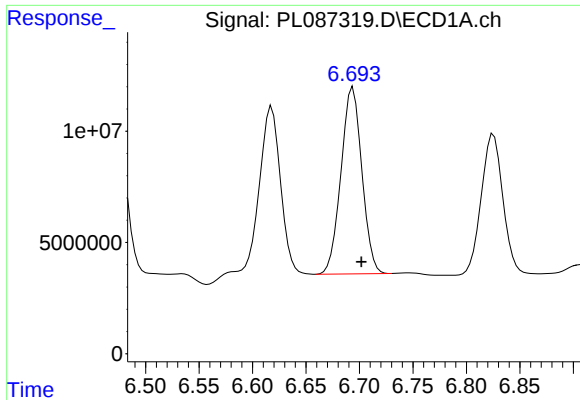
#14 Endrin

R.T.: 6.472 min  
Delta R.T.: -0.008 min  
Response: 121786527  
Conc: 31.65 ng/ml



#14 Endrin

R.T.: 5.559 min  
Delta R.T.: -0.007 min  
Response: 83960868  
Conc: 42.07 ng/ml



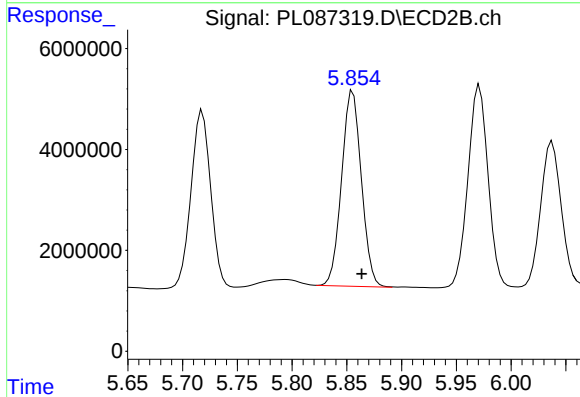
#15 Endosulfan II

R.T.: 6.694 min  
Delta R.T.: -0.008 min  
Response: 114098032  
Conc: 28.45 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GHL-SS-16-2-4MSD

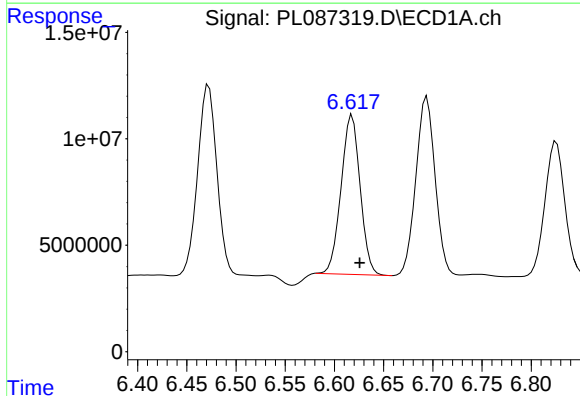
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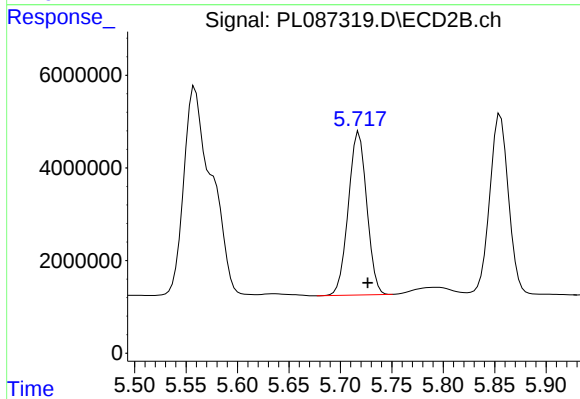
#15 Endosulfan II

R.T.: 5.854 min  
Delta R.T.: -0.010 min  
Response: 48685489  
Conc: 25.01 ng/ml m



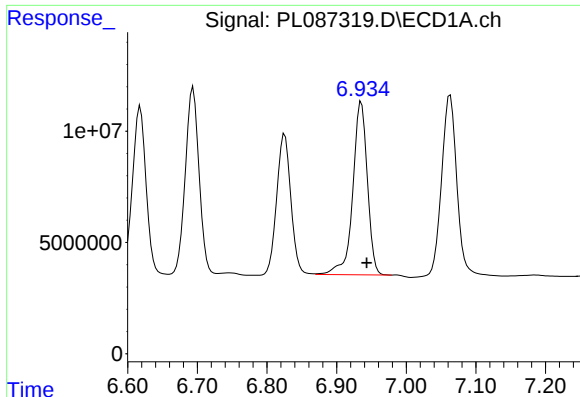
#16 4,4'-DDD

R.T.: 6.618 min  
Delta R.T.: -0.008 min  
Response: 100944013  
Conc: 30.54 ng/ml



#16 4,4'-DDD

R.T.: 5.718 min  
Delta R.T.: -0.009 min  
Response: 43990933  
Conc: 26.57 ng/ml



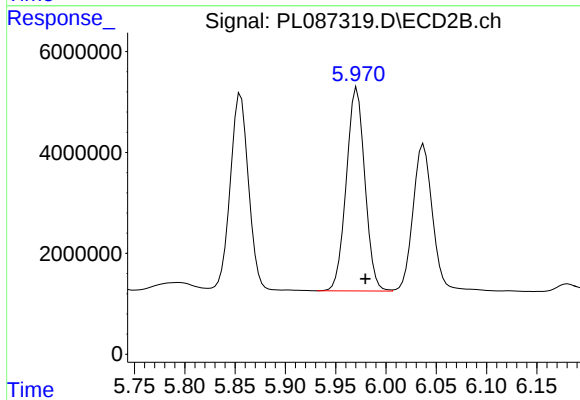
#17 4,4'-DDT

R.T.: 6.936 min  
Delta R.T.: -0.008 min  
Response: 113177645  
Conc: 30.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GHL-SS-16-2-4MSD

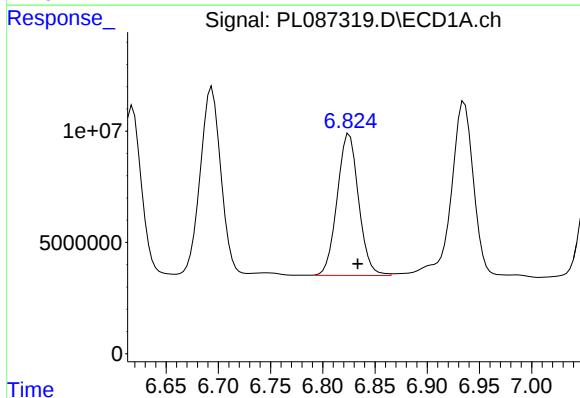
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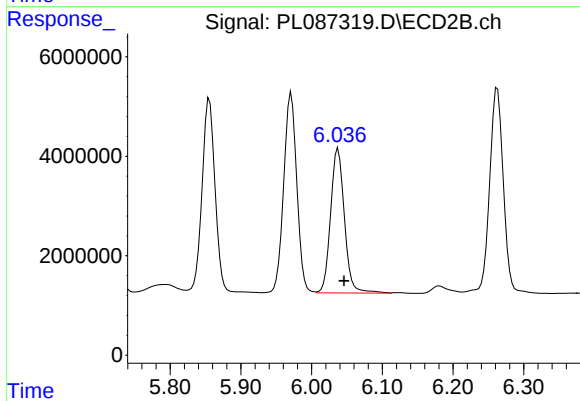
#17 4,4'-DDT

R.T.: 5.971 min  
Delta R.T.: -0.008 min  
Response: 51646647  
Conc: 28.00 ng/ml



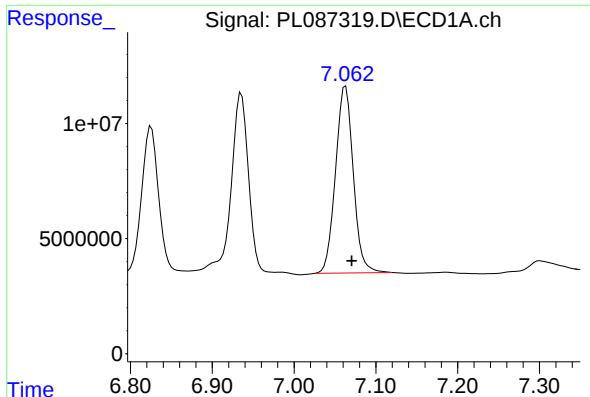
#18 Endrin aldehyde

R.T.: 6.824 min  
Delta R.T.: -0.009 min  
Response: 90707338  
Conc: 31.30 ng/ml m



#18 Endrin aldehyde

R.T.: 6.037 min  
Delta R.T.: -0.008 min  
Response: 39610072  
Conc: 26.99 ng/ml



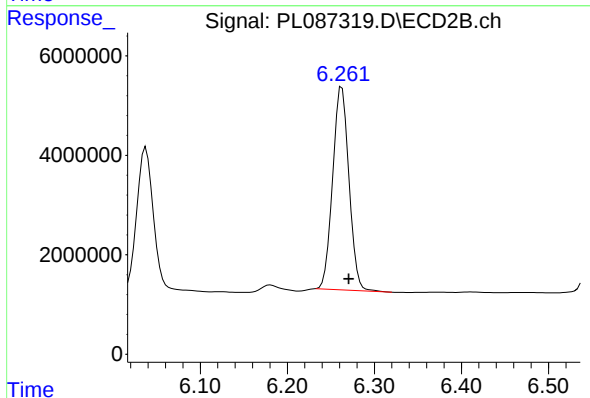
#19 Endosulfan Sulfate

R.T.: 7.063 min  
Delta R.T.: -0.007 min  
Response: 122239377  
Conc: 31.13 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GHL-SS-16-2-4MSD

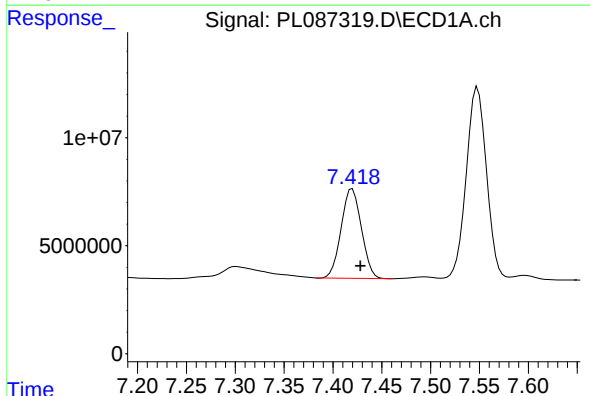
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APPROVED

Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024



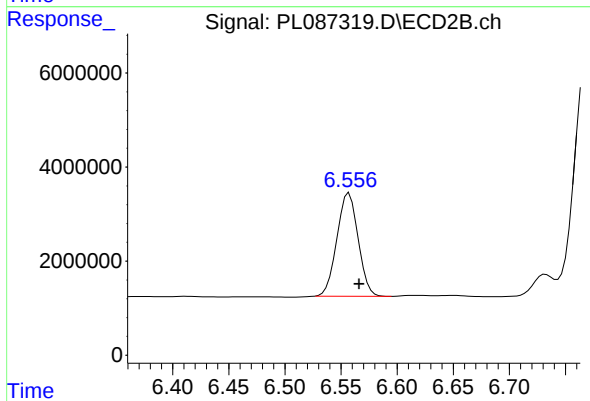
#19 Endosulfan Sulfate

R.T.: 6.263 min  
Delta R.T.: -0.008 min  
Response: 53122753  
Conc: 28.20 ng/ml



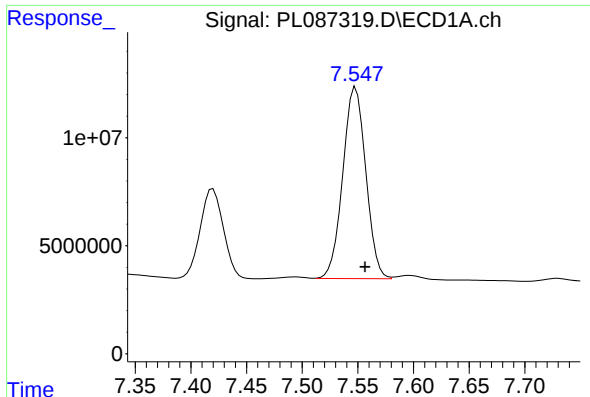
#20 Methoxychlor

R.T.: 7.420 min  
Delta R.T.: -0.008 min  
Response: 59830758  
Conc: 30.68 ng/ml



#20 Methoxychlor

R.T.: 6.557 min  
Delta R.T.: -0.009 min  
Response: 28904855  
Conc: 28.30 ng/ml



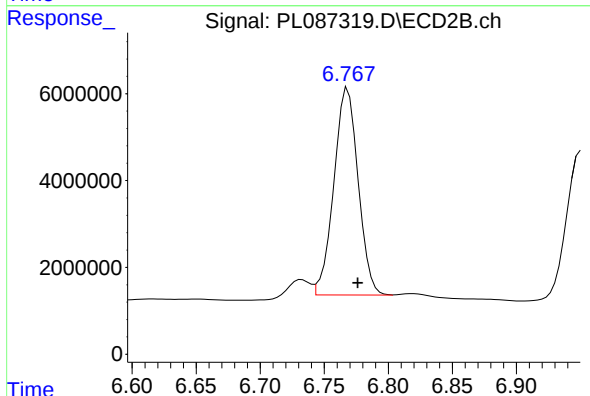
#21 Endrin ketone

R.T.: 7.547 min  
Delta R.T.: -0.010 min  
Response: 127780822  
Conc: 31.41 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GHL-SS-16-2-4MSD

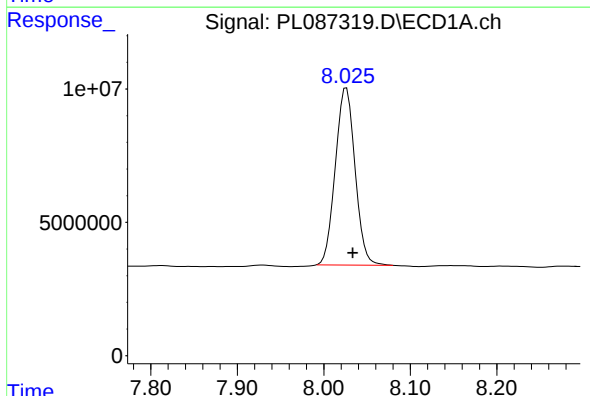
Manual Integrations  
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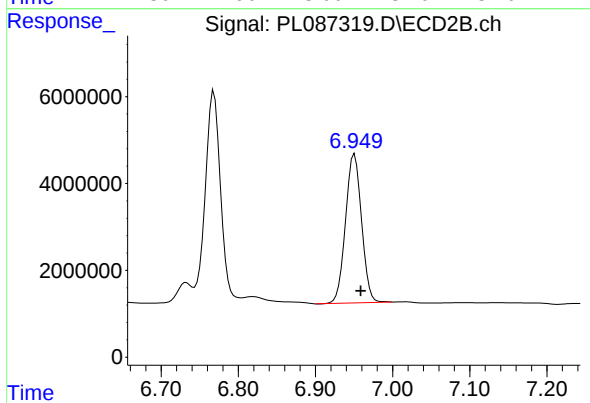
#21 Endrin ketone

R.T.: 6.767 min  
Delta R.T.: -0.009 min  
Response: 62564741  
Conc: 29.39 ng/ml m



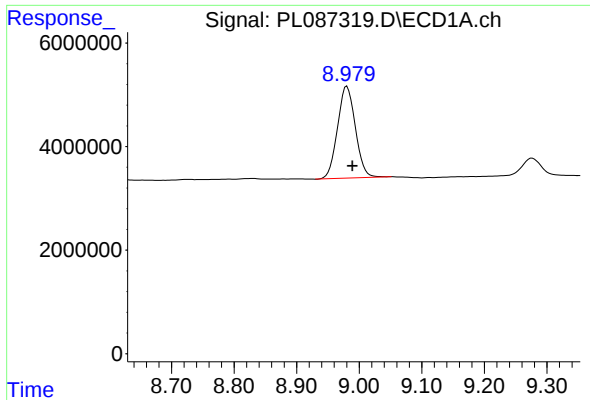
#22 Mirex

R.T.: 8.026 min  
Delta R.T.: -0.007 min  
Response: 104782848  
Conc: 31.11 ng/ml



#22 Mirex

R.T.: 6.951 min  
Delta R.T.: -0.008 min  
Response: 49359259  
Conc: 27.74 ng/ml



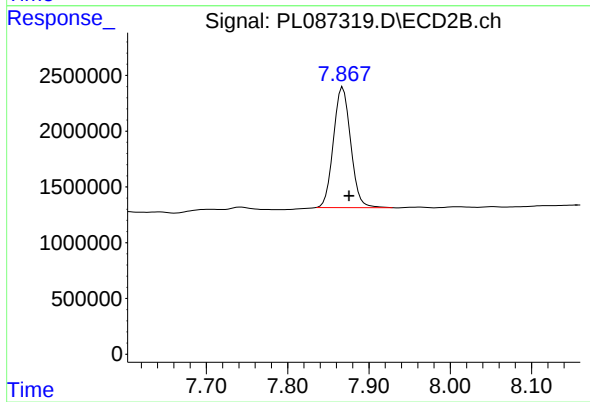
#28 Decachlorobiphenyl

R.T.: 8.980 min  
Delta R.T.: -0.009 min  
Response: 35370043  
Conc: 10.37 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GHL-SS-16-2-4MSD

Manual Integrations  
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#28 Decachlorobiphenyl

R.T.: 7.868 min  
Delta R.T.: -0.008 min  
Response: 15955296  
Conc: 9.45 ng/ml