

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL031623\  
 Data File : PL081506.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 Mar 2023 16:13  
 Operator : AR\AJ  
 Sample : 01908-01MS  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 HILLBOR-DRUMS-0314MS

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 03/17/2023  
 Supervised By :Ankita Jodhani 03/17/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 16 21:55:52 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL030223.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Mar 03 01:48:45 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... | 3.331 | 2.661 | 41223487 | 36248293 | 19.080  | 17.911  |
| 28)                         | SA Decachlor... | 8.755 | 7.782 | 27548879 | 34913605 | 18.070  | 18.227  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.781 | 3.161 | 148.3E6  | 129.8E6  | 46.603  | 44.291  |
| 3)                          | MA gamma-BHC... | 4.109 | 3.489 | 145.3E6  | 130.4E6  | 49.095  | 47.392  |
| 4)                          | MA Heptachlor   | 4.689 | 3.822 | 129.2E6  | 126.3E6  | 46.824  | 45.758  |
| 5)                          | MB Aldrin       | 5.026 | 4.100 | 128.2E6  | 125.2E6  | 50.395  | 47.772  |
| 6)                          | B beta-BHC      | 4.311 | 3.788 | 64236890 | 54334212 | 46.668  | 46.815  |
| 7)                          | B delta-BHC     | 4.553 | 4.015 | 113.7E6  | 99698800 | 40.909  | 39.149  |
| 8)                          | B Heptachlo...  | 5.452 | 4.602 | 115.8E6  | 116.0E6  | 49.079  | 47.988  |
| 9)                          | A Endosulfan I  | 5.833 | 4.970 | 103.9E6  | 106.6E6  | 49.171  | 47.083  |
| 10)                         | B gamma-Chl...  | 5.706 | 4.851 | 114.9E6  | 115.2E6  | 50.344  | 47.064  |
| 11)                         | B alpha-Chl...  | 5.785 | 4.915 | 112.4E6  | 115.9E6  | 49.908  | 47.333  |
| 12)                         | B 4,4'-DDE      | 5.962 | 5.104 | 98163520 | 95533405 | 50.171  | 48.671m |
| 13)                         | MA Dieldrin     | 6.106 | 5.235 | 109.7E6  | 112.4E6  | 52.424m | 49.858  |
| 14)                         | MA Endrin       | 6.334 | 5.509 | 89077896 | 94070958 | 49.012  | 46.810  |
| 15)                         | B Endosulfa...  | 6.556 | 5.805 | 91542145 | 93769700 | 52.505  | 50.859  |
| 16)                         | A 4,4'-DDD      | 6.478 | 5.660 | 79829839 | 77381998 | 51.859  | 50.441  |
| 17)                         | MA 4,4'-DDT     | 6.789 | 5.909 | 75962415 | 77967871 | 47.856  | 48.599  |
| 18)                         | B Endrin al...  | 6.685 | 5.986 | 76774984 | 79023465 | 53.638m | 52.159  |
| 19)                         | B Endosulfa...  | 6.920 | 6.207 | 86196660 | 90609429 | 48.007  | 47.142m |
| 20)                         | A Methoxychlor  | 7.269 | 6.487 | 42746357 | 46352317 | 49.626  | 49.944m |
| 21)                         | B Endrin ke...  | 7.400 | 6.712 | 97967383 | 111.8E6  | 54.006  | 51.929m |
| 22)                         | Mirex           | 7.865 | 6.886 | 73788152 | 91384481 | 50.571  | 47.481  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL031623\  
Data File : PL081506.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 Mar 2023 16:13  
Operator : AR\AJ  
Sample : 01908-01MS  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

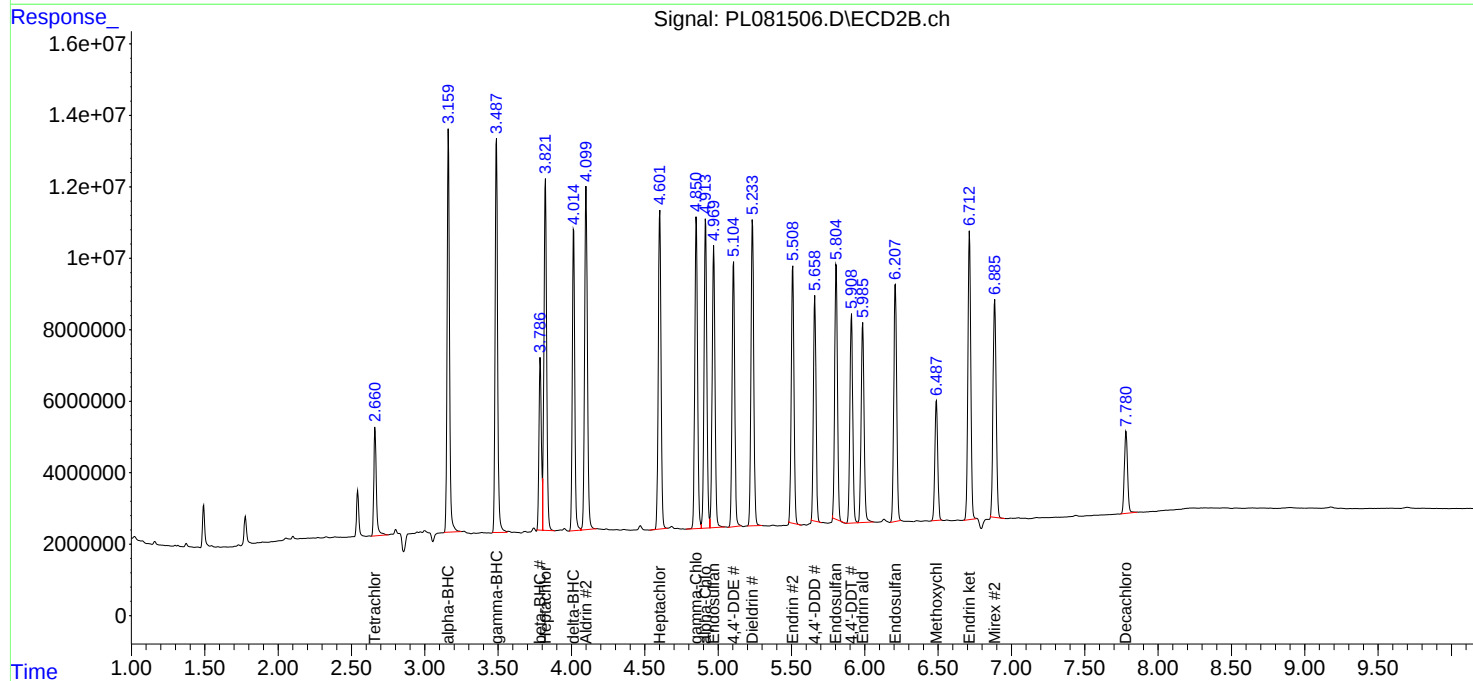
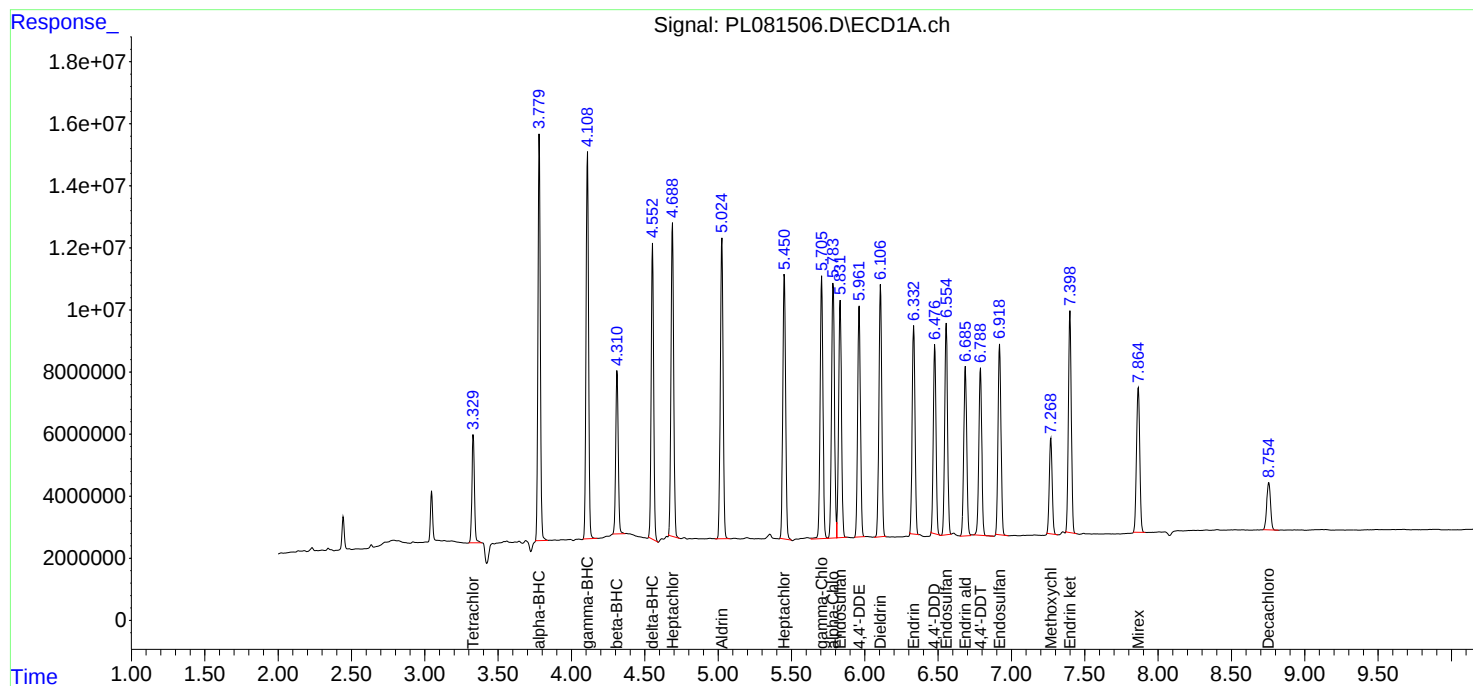
Instrument :  
ECD\_L  
ClientSampleId :  
HILLBOR-DRUMS-0314MS

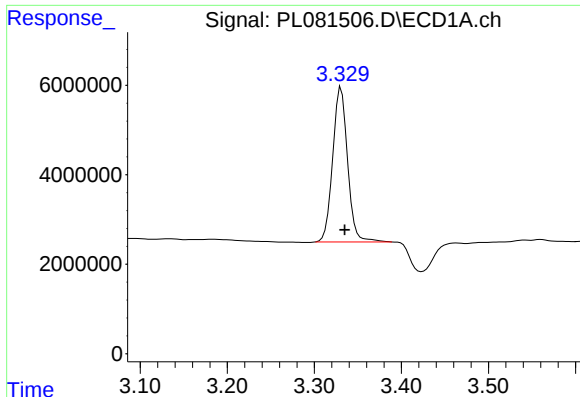
Manual Integrations  
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 16 21:55:52 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL030223.M  
Quant Title : GC Extractables  
QLast Update : Fri Mar 03 01:48:45 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





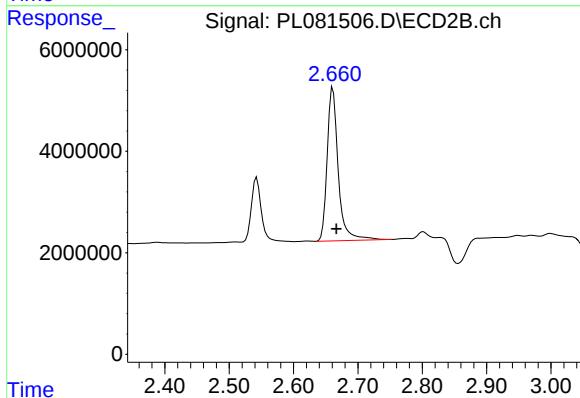
#1 Tetrachloro-m-xylene

R.T.: 3.331 min  
Delta R.T.: -0.004 min  
Response: 41223487  
Conc: 19.08 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HILLBOR-DRUMS-0314MS

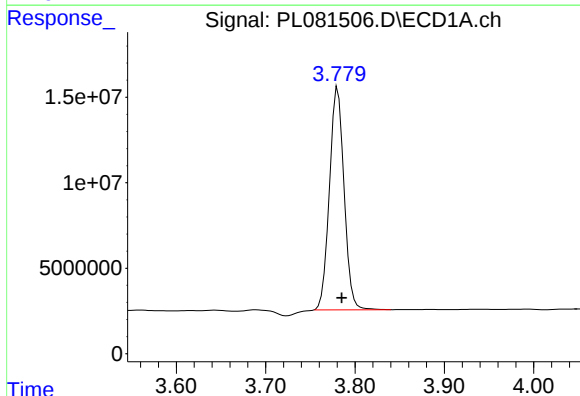
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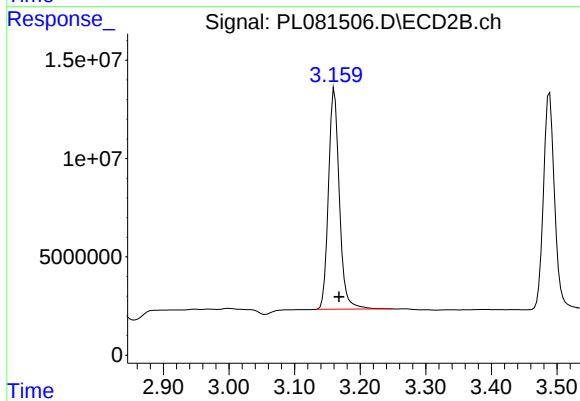
#1 Tetrachloro-m-xylene

R.T.: 2.661 min  
Delta R.T.: -0.005 min  
Response: 36248293  
Conc: 17.91 ng/ml



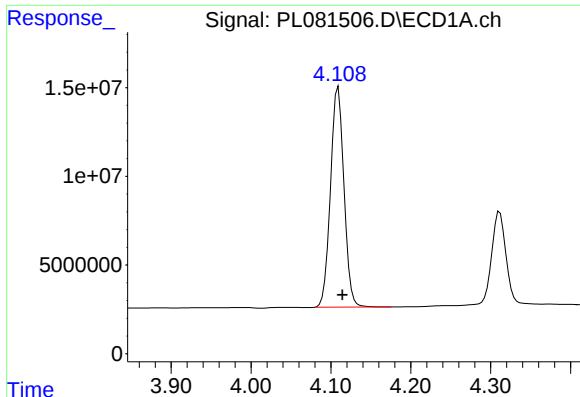
#2 alpha-BHC

R.T.: 3.781 min  
Delta R.T.: -0.004 min  
Response: 148256676  
Conc: 46.60 ng/ml



#2 alpha-BHC

R.T.: 3.161 min  
Delta R.T.: -0.007 min  
Response: 129801413  
Conc: 44.29 ng/ml



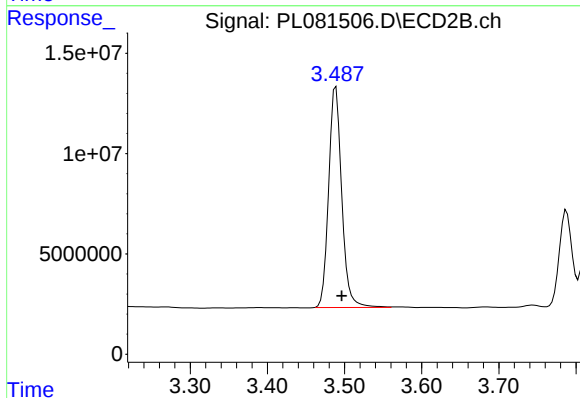
#3 gamma-BHC (Lindane)

R.T.: 4.109 min  
Delta R.T.: -0.005 min  
Response: 145251945  
Conc: 49.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HILLBOR-DRUMS-0314MS

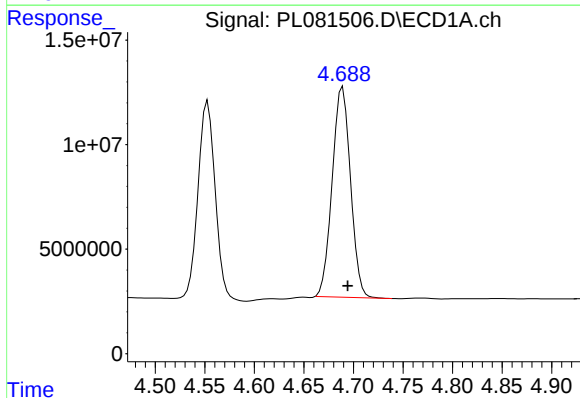
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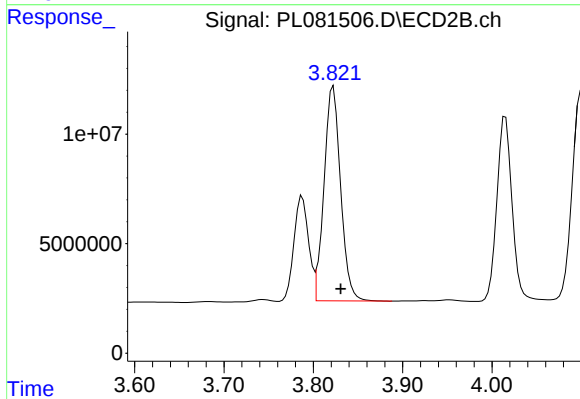
#3 gamma-BHC (Lindane)

R.T.: 3.489 min  
Delta R.T.: -0.008 min  
Response: 130378677  
Conc: 47.39 ng/ml



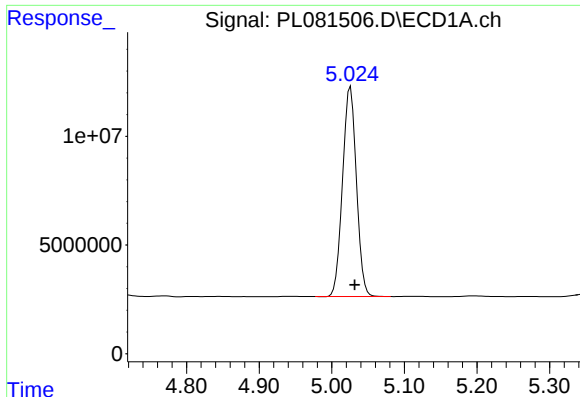
#4 Heptachlor

R.T.: 4.689 min  
Delta R.T.: -0.005 min  
Response: 129205773  
Conc: 46.82 ng/ml



#4 Heptachlor

R.T.: 3.822 min  
Delta R.T.: -0.008 min  
Response: 126269201  
Conc: 45.76 ng/ml



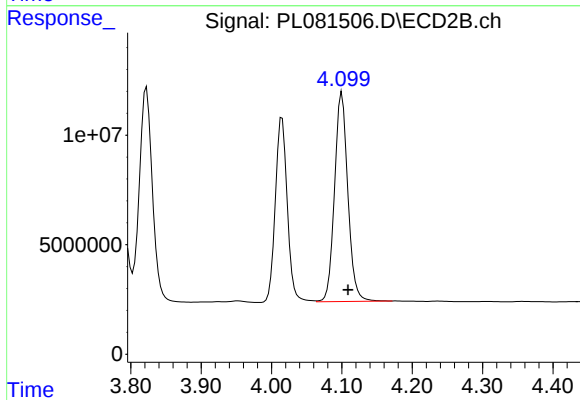
#5 Aldrin

R.T.: 5.026 min  
Delta R.T.: -0.006 min  
Response: 128212784  
Conc: 50.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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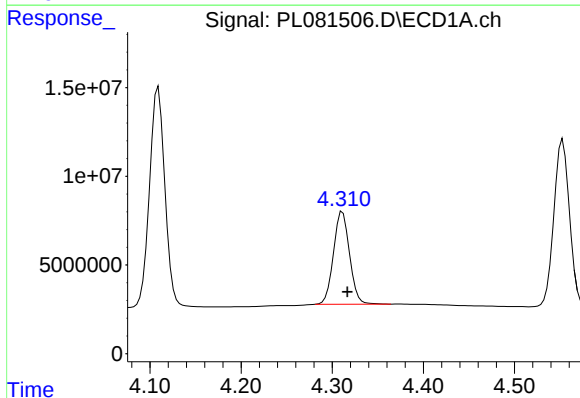
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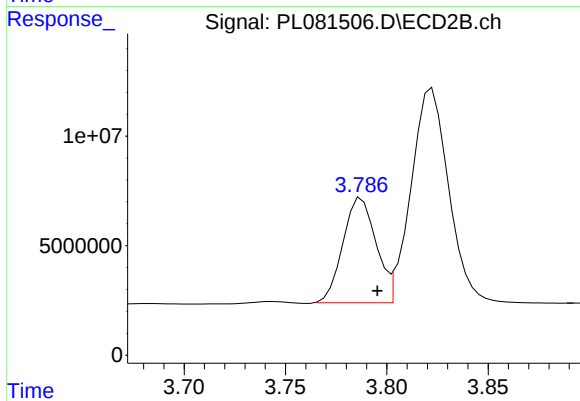
#5 Aldrin

R.T.: 4.100 min  
Delta R.T.: -0.009 min  
Response: 125245109  
Conc: 47.77 ng/ml



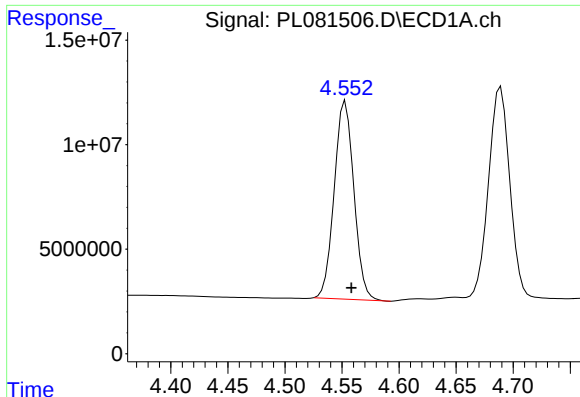
#6 beta-BHC

R.T.: 4.311 min  
Delta R.T.: -0.005 min  
Response: 64236890  
Conc: 46.67 ng/ml



#6 beta-BHC

R.T.: 3.788 min  
Delta R.T.: -0.008 min  
Response: 54334212  
Conc: 46.81 ng/ml



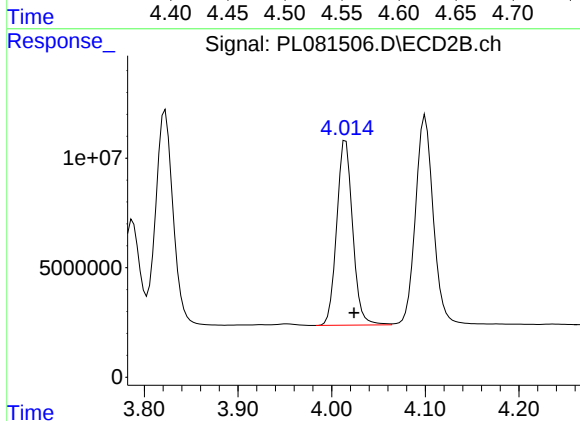
#7 delta-BHC

R.T.: 4.553 min  
Delta R.T.: -0.005 min  
Response: 113695021  
Conc: 40.91 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HILLBOR-DRUMS-0314MS

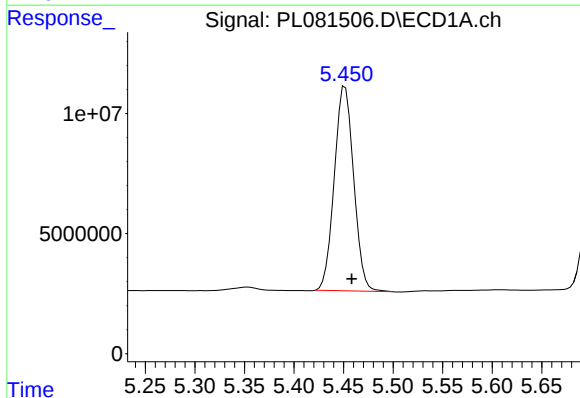
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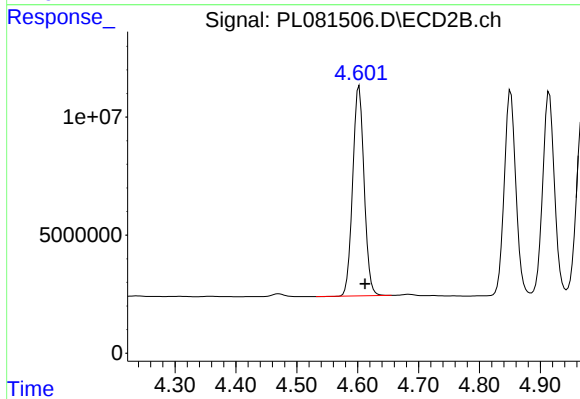
#7 delta-BHC

R.T.: 4.015 min  
Delta R.T.: -0.009 min  
Response: 99698800  
Conc: 39.15 ng/ml



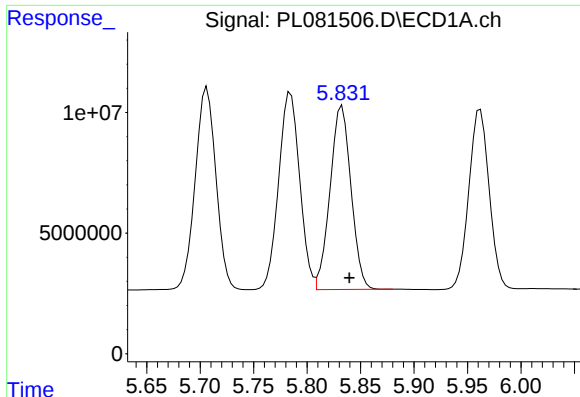
#8 Heptachlor epoxide

R.T.: 5.452 min  
Delta R.T.: -0.007 min  
Response: 115827152  
Conc: 49.08 ng/ml



#8 Heptachlor epoxide

R.T.: 4.602 min  
Delta R.T.: -0.010 min  
Response: 116039063  
Conc: 47.99 ng/ml



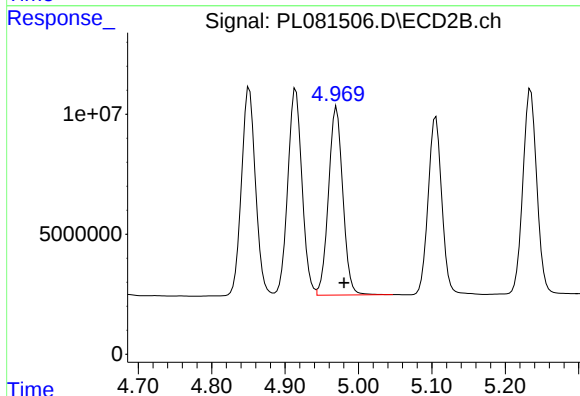
#9 Endosulfan I

R.T.: 5.833 min  
Delta R.T.: -0.007 min  
Response: 103884032  
Conc: 49.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HILLBOR-DRUMS-0314MS

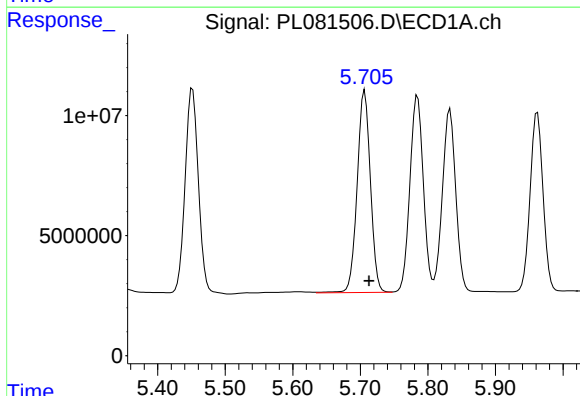
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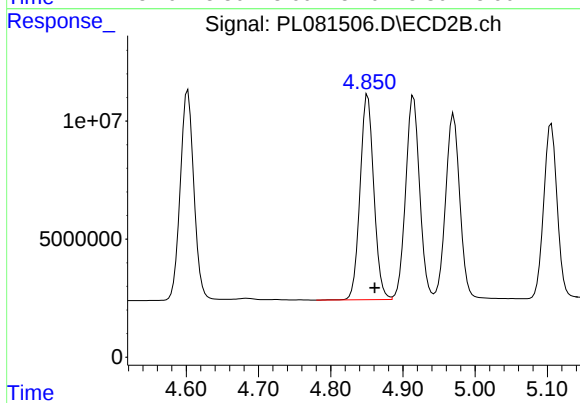
#9 Endosulfan I

R.T.: 4.970 min  
Delta R.T.: -0.010 min  
Response: 106581144  
Conc: 47.08 ng/ml



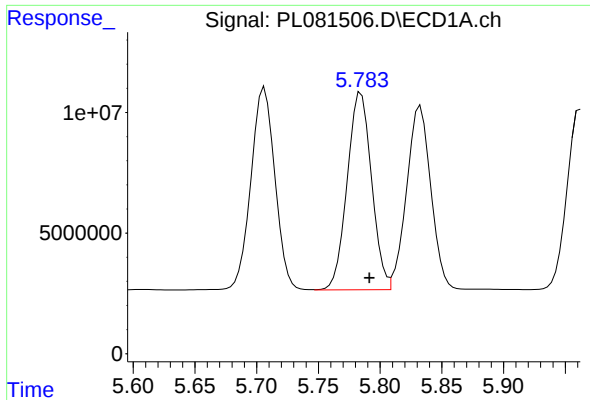
#10 gamma-Chlordane

R.T.: 5.706 min  
Delta R.T.: -0.007 min  
Response: 114879438  
Conc: 50.34 ng/ml



#10 gamma-Chlordane

R.T.: 4.851 min  
Delta R.T.: -0.010 min  
Response: 115202723  
Conc: 47.06 ng/ml



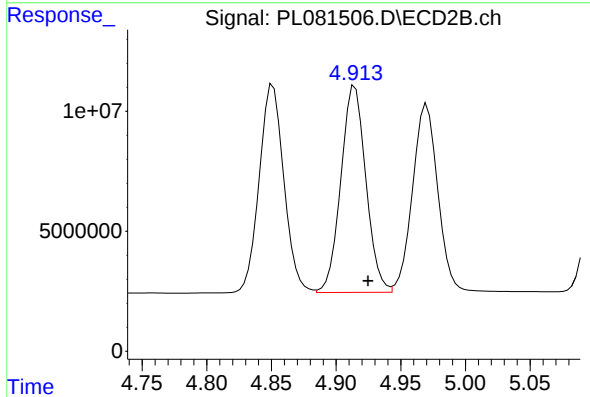
#11 alpha-Chlordane

R.T.: 5.785 min  
Delta R.T.: -0.007 min  
Response: 112439122  
Conc: 49.91 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HILLBOR-DRUMS-0314MS

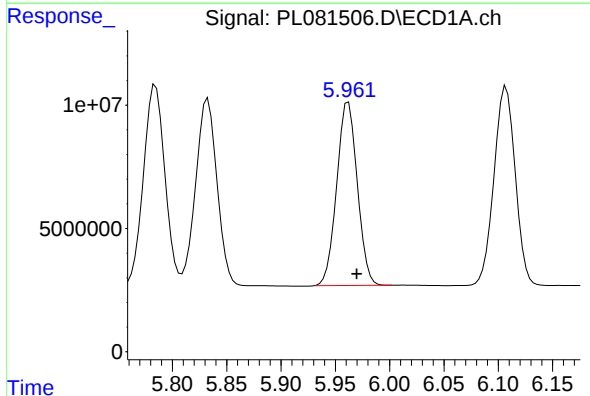
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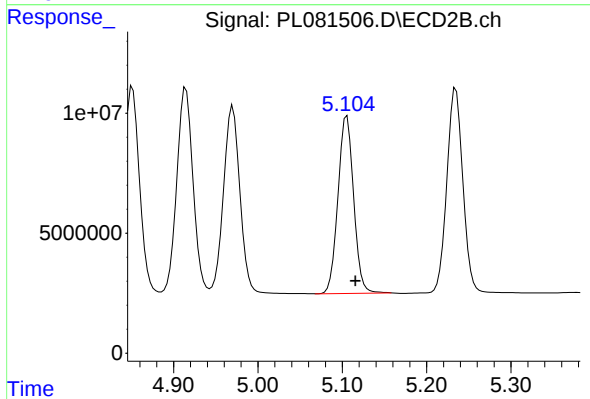
#11 alpha-Chlordane

R.T.: 4.915 min  
Delta R.T.: -0.010 min  
Response: 115898177  
Conc: 47.33 ng/ml



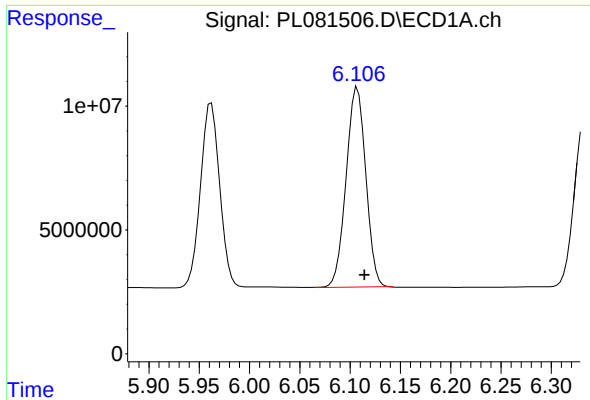
#12 4,4'-DDE

R.T.: 5.962 min  
Delta R.T.: -0.008 min  
Response: 98163520  
Conc: 50.17 ng/ml



#12 4,4'-DDE

R.T.: 5.104 min  
Delta R.T.: -0.011 min  
Response: 95533405  
Conc: 48.67 ng/ml m



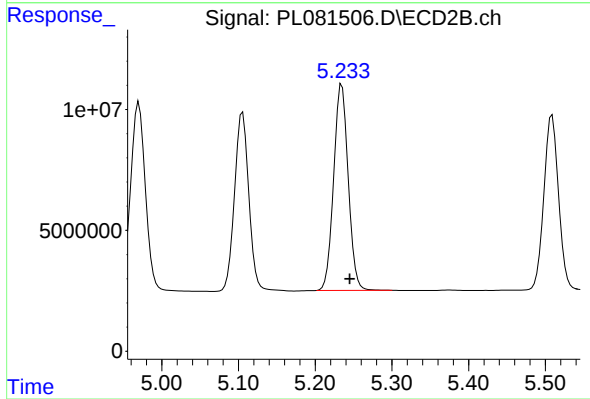
#13 Dieldrin

R.T.: 6.106 min  
Delta R.T.: -0.008 min  
Response: 109722751  
Conc: 52.42 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HILLBOR-DRUMS-0314MS

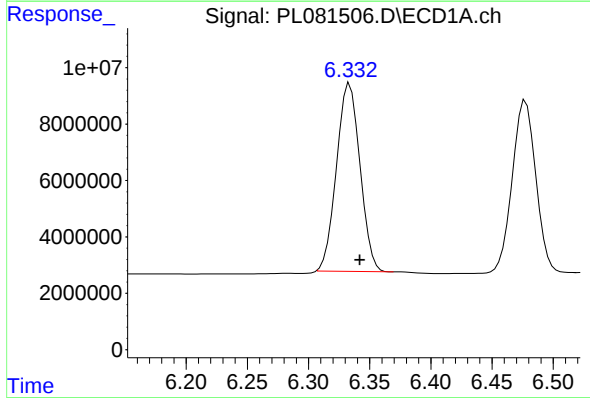
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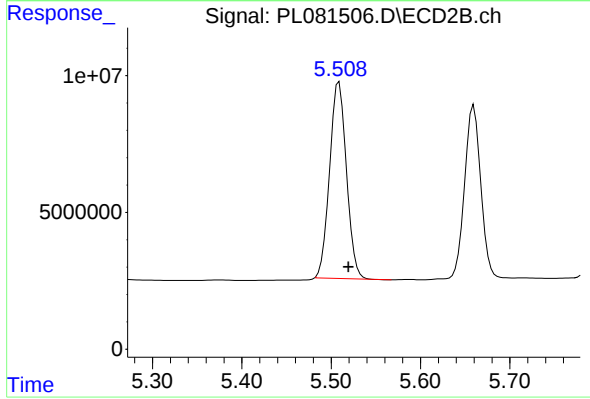
#13 Dieldrin

R.T.: 5.235 min  
Delta R.T.: -0.010 min  
Response: 112397789  
Conc: 49.86 ng/ml



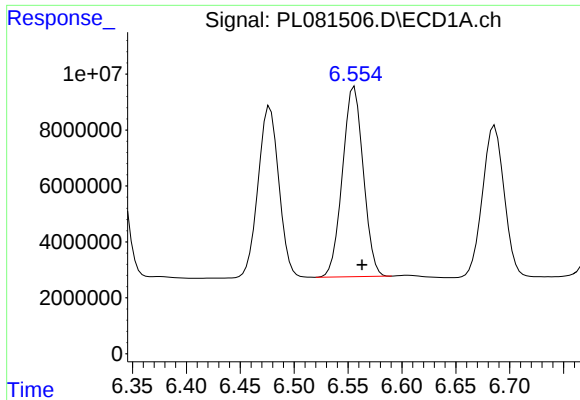
#14 Endrin

R.T.: 6.334 min  
Delta R.T.: -0.008 min  
Response: 89077896  
Conc: 49.01 ng/ml



#14 Endrin

R.T.: 5.509 min  
Delta R.T.: -0.010 min  
Response: 94070958  
Conc: 46.81 ng/ml



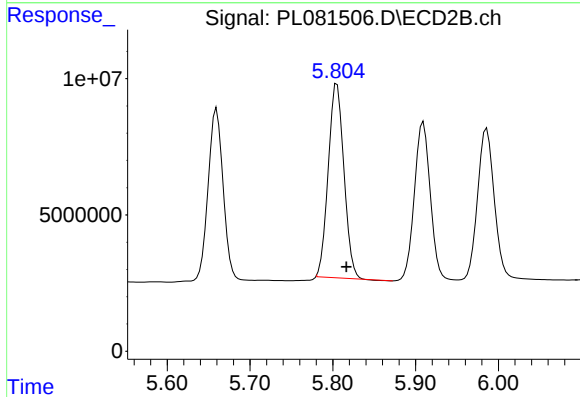
#15 Endosulfan II

R.T.: 6.556 min  
Delta R.T.: -0.007 min  
Response: 91542145  
Conc: 52.50 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HILLBOR-DRUMS-0314MS

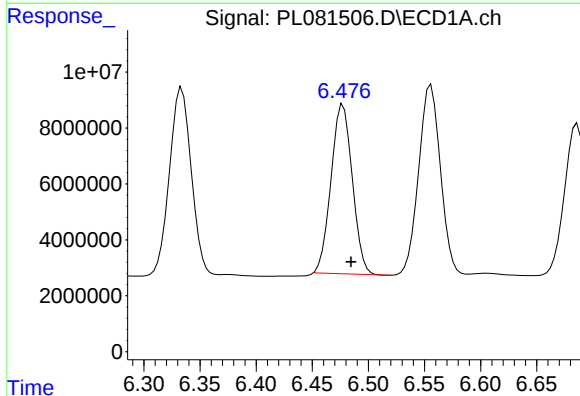
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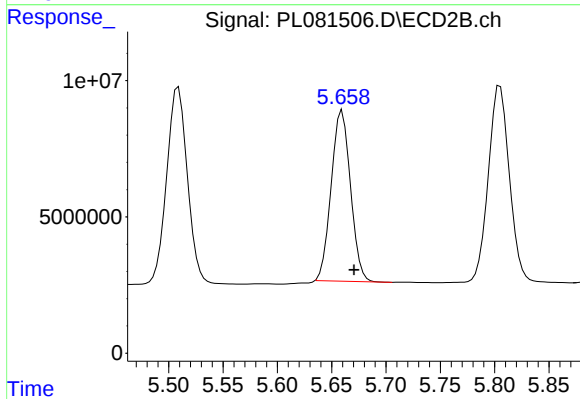
#15 Endosulfan II

R.T.: 5.805 min  
Delta R.T.: -0.011 min  
Response: 93769700  
Conc: 50.86 ng/ml



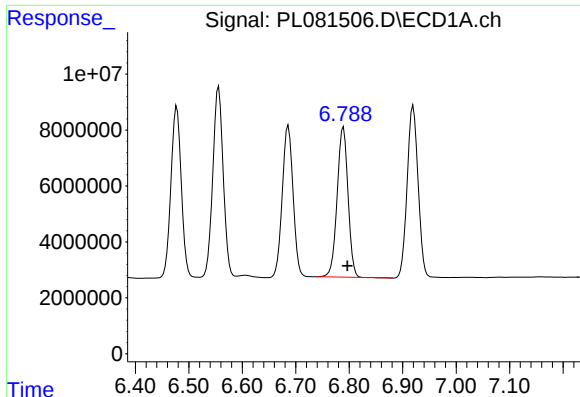
#16 4,4'-DDD

R.T.: 6.478 min  
Delta R.T.: -0.007 min  
Response: 79829839  
Conc: 51.86 ng/ml



#16 4,4'-DDD

R.T.: 5.660 min  
Delta R.T.: -0.011 min  
Response: 77381998  
Conc: 50.44 ng/ml



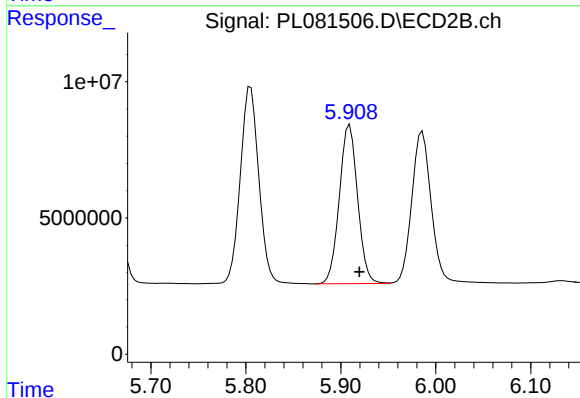
#17 4,4'-DDT

R.T.: 6.789 min  
Delta R.T.: -0.008 min  
Response: 75962415  
Conc: 47.86 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HILLBOR-DRUMS-0314MS

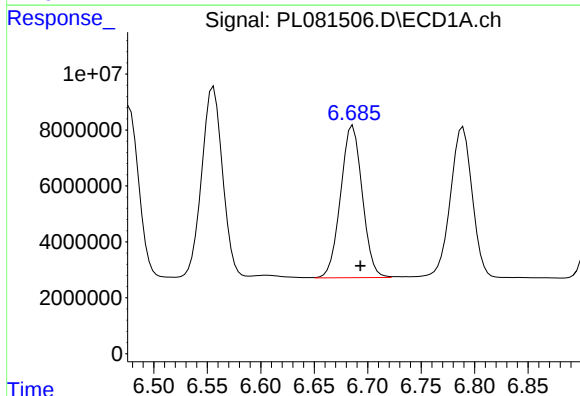
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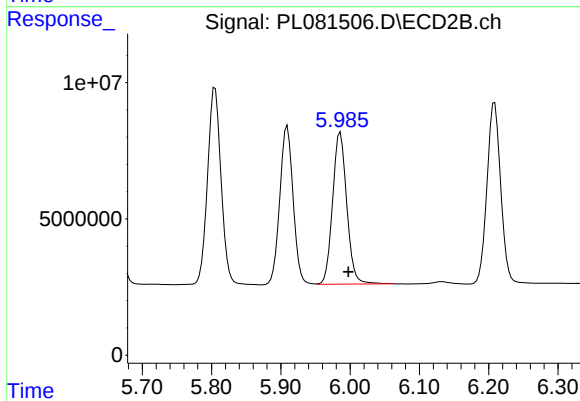
#17 4,4'-DDT

R.T.: 5.909 min  
Delta R.T.: -0.010 min  
Response: 77967871  
Conc: 48.60 ng/ml



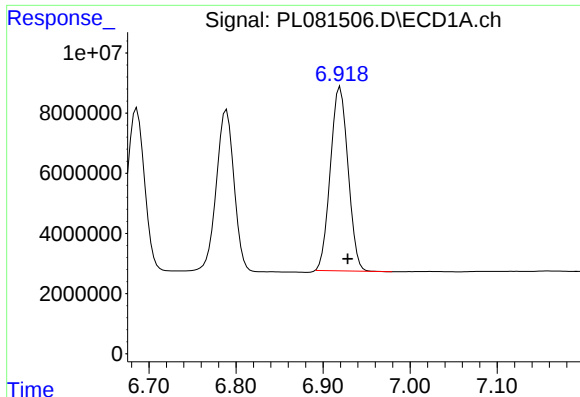
#18 Endrin aldehyde

R.T.: 6.685 min  
Delta R.T.: -0.008 min  
Response: 76774984  
Conc: 53.64 ng/ml m



#18 Endrin aldehyde

R.T.: 5.986 min  
Delta R.T.: -0.012 min  
Response: 79023465  
Conc: 52.16 ng/ml



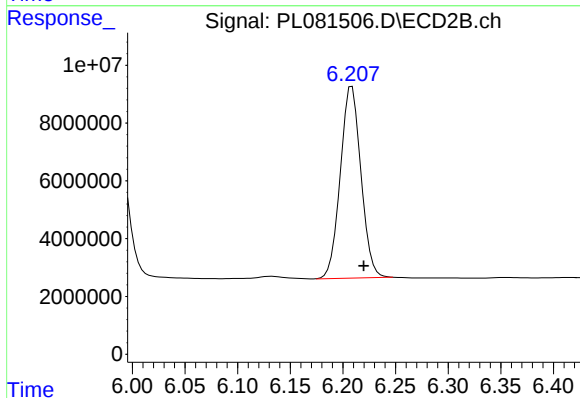
#19 Endosulfan Sulfate

R.T.: 6.920 min  
Delta R.T.: -0.008 min  
Response: 86196660  
Conc: 48.01 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HILLBOR-DRUMS-0314MS

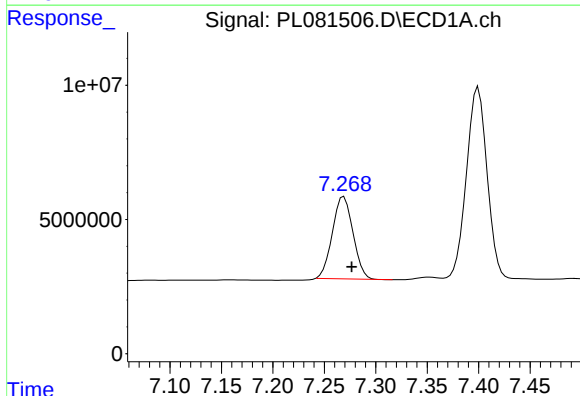
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/17/2023  
Supervised By :Ankita Jodhani 03/17/2023



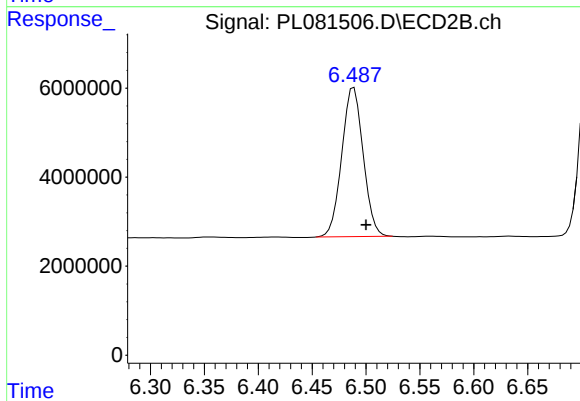
#19 Endosulfan Sulfate

R.T.: 6.207 min  
Delta R.T.: -0.013 min  
Response: 90609429  
Conc: 47.14 ng/ml m



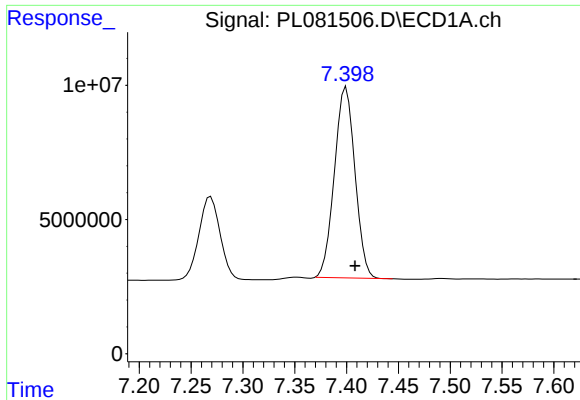
#20 Methoxychlor

R.T.: 7.269 min  
Delta R.T.: -0.008 min  
Response: 42746357  
Conc: 49.63 ng/ml



#20 Methoxychlor

R.T.: 6.487 min  
Delta R.T.: -0.013 min  
Response: 46352317  
Conc: 49.94 ng/ml m



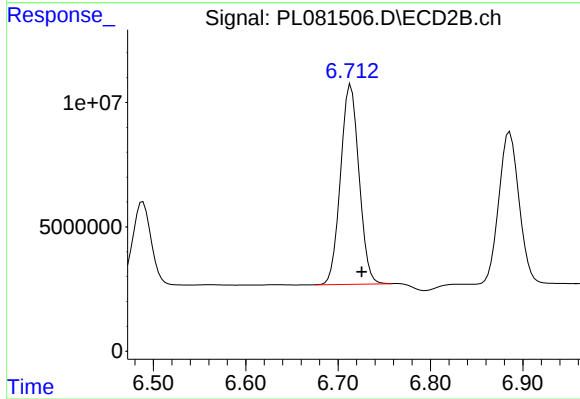
#21 Endrin ketone

R.T.: 7.400 min  
Delta R.T.: -0.008 min  
Response: 97967383  
Conc: 54.01 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HILLBOR-DRUMS-0314MS

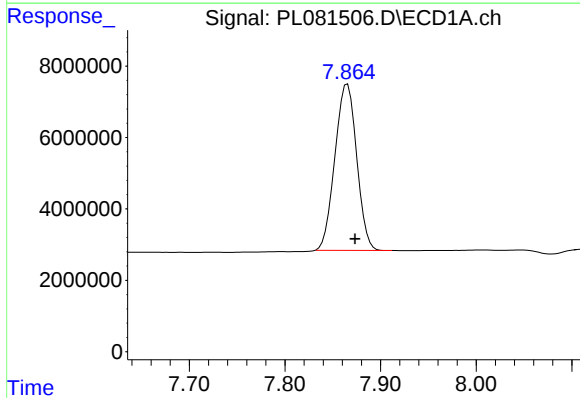
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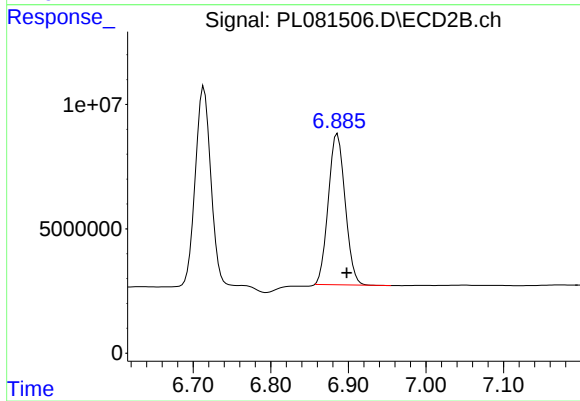
#21 Endrin ketone

R.T.: 6.712 min  
Delta R.T.: -0.013 min  
Response: 111807836  
Conc: 51.93 ng/ml m



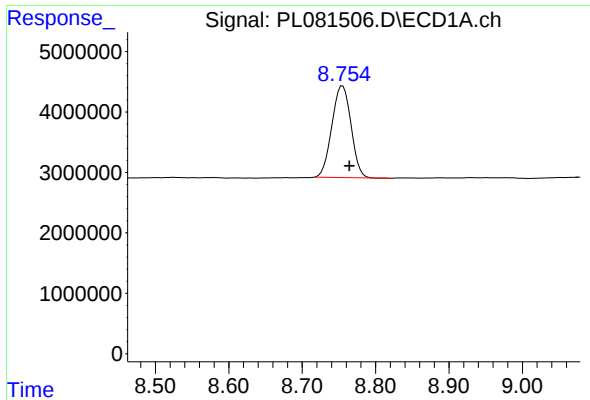
#22 Mirex

R.T.: 7.865 min  
Delta R.T.: -0.008 min  
Response: 73788152  
Conc: 50.57 ng/ml



#22 Mirex

R.T.: 6.886 min  
Delta R.T.: -0.012 min  
Response: 91384481  
Conc: 47.48 ng/ml



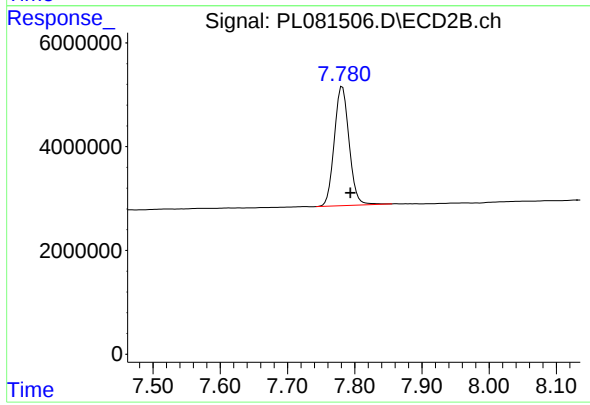
#28 Decachlorobiphenyl

R.T.: 8.755 min  
Delta R.T.: -0.009 min  
Response: 27548879  
Conc: 18.07 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HILLBOR-DRUMS-0314MS

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#28 Decachlorobiphenyl

R.T.: 7.782 min  
Delta R.T.: -0.012 min  
Response: 34913605  
Conc: 18.23 ng/ml