

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL032422\  
 Data File : PL073652.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 Mar 2022 13:20  
 Operator : AR\AJ  
 Sample : N2058-02MSD  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 MHAMSD

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 03/25/2022  
 Supervised By :mohammad ahmed 03/25/2022

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 25 01:22:38 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL031122.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Mar 14 04:12:46 2022  
 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... | 4.653  | 5.487  | 7627635  | 42265852 | 23.815  | 25.752  |
| 28)                         | SA Decachlor... | 10.424 | 11.333 | 13292599 | 46175427 | 26.141  | 25.823  |
| Target Compounds            |                 |        |        |          |          |         |         |
| 2)                          | A alpha-BHC     | 5.361  | 6.051  | 27954254 | 162.0E6  | 67.817  | 72.015  |
| 3)                          | MA gamma-BHC... | 5.783  | 6.439  | 29838514 | 155.8E6  | 71.532m | 72.980m |
| 4)                          | MA Heptachlor   | 6.195  | 7.100  | 29590852 | 161.9E6  | 65.583  | 69.091  |
| 5)                          | MB Aldrin       | 6.520  | 7.467  | 27470425 | 149.3E6  | 66.487  | 71.279m |
| 6)                          | B beta-BHC      | 6.164  | 6.676  | 13310511 | 66479745 | 64.647  | 63.777  |
| 7)                          | B delta-BHC     | 6.425  | 6.945  | 27890187 | 151.5E6  | 69.439  | 70.349  |
| 8)                          | B Heptachlo...  | 7.096  | 7.926  | 28478741 | 139.6E6  | 66.079  | 69.891  |
| 9)                          | A Endosulfan I  | 7.499  | 8.326  | 27140696 | 126.8E6  | 66.162  | 69.480  |
| 10)                         | B gamma-Chl...  | 7.374  | 8.194  | 29188125 | 141.6E6  | 66.746  | 69.313  |
| 11)                         | B alpha-Chl...  | 7.443  | 8.277  | 29294176 | 138.3E6  | 66.287  | 69.146  |
| 12)                         | B 4,4'-DDE      | 7.658  | 8.461  | 24756545 | 128.5E6  | 68.991  | 71.707  |
| 13)                         | MA Dieldrin     | 7.786  | 8.610  | 28376541 | 134.1E6  | 68.111  | 72.688m |
| 14)                         | MA Endrin       | 8.077  | 8.846  | 28127418 | 110.1E6  | 72.493  | 71.500  |
| 15)                         | B Endosulfa...  | 8.388  | 9.070  | 26585709 | 107.8E6  | 68.016  | 70.187  |
| 16)                         | A 4,4'-DDD      | 8.243  | 8.988  | 22863255 | 101.6E6  | 70.405  | 69.635  |
| 17)                         | MA 4,4'-DDT     | 8.503  | 9.308  | 25199006 | 110.9E6  | 66.632  | 67.865  |
| 18)                         | B Endrin al...  | 8.575  | 9.202  | 21507230 | 86377633 | 68.007  | 70.437m |
| 19)                         | B Endosulfa...  | 8.807  | 9.440  | 28107752 | 108.0E6  | 66.539  | 68.507  |
| 20)                         | A Methoxychlor  | 9.099  | 9.788  | 16350825 | 58408890 | 63.737  | 64.821  |
| 21)                         | B Endrin ke...  | 9.326  | 9.929  | 33456505 | 113.3E6  | 68.387  | 68.635  |
| 22)                         | Mirex           | 9.513  | 10.406 | 32050956 | 97610517 | 67.968  | 71.854  |
| -----                       |                 |        |        |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL032422\  
 Data File : PL073652.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 Mar 2022 13:20  
 Operator : AR\AJ  
 Sample : N2058-02MSD  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

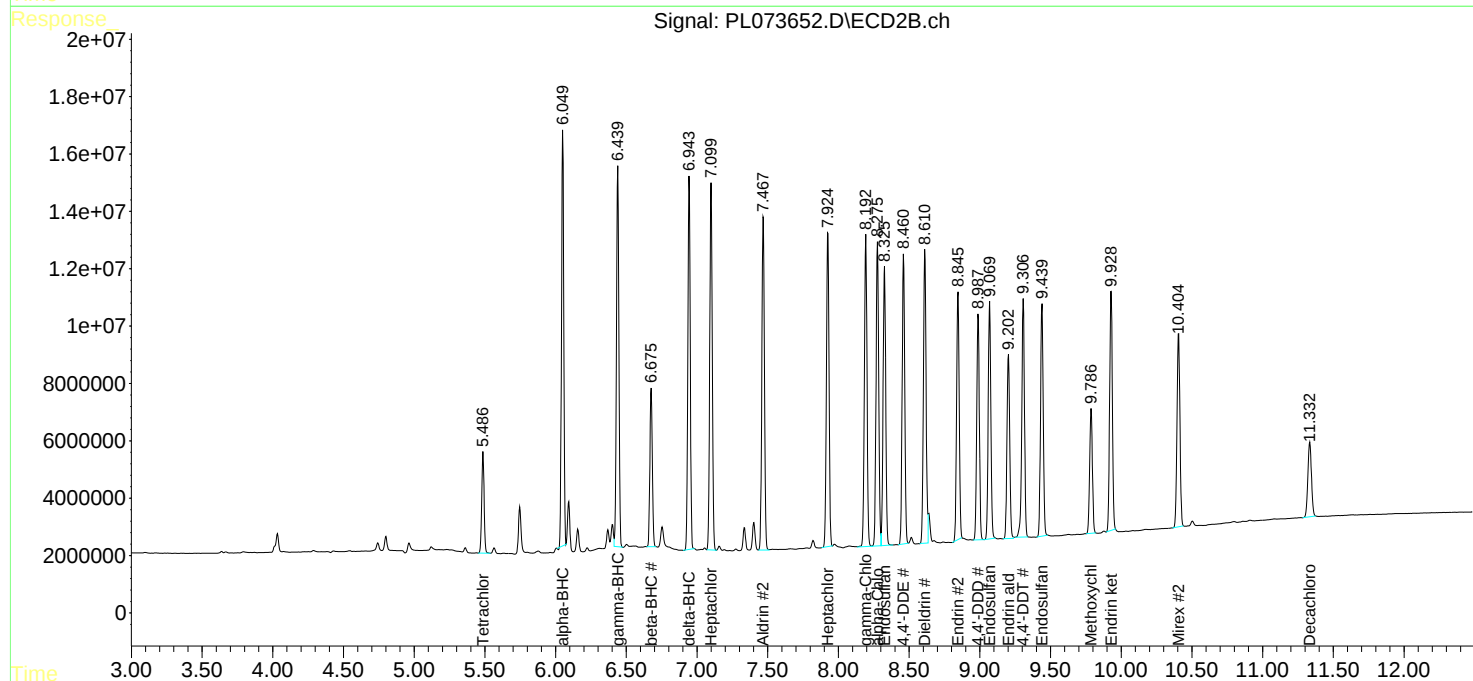
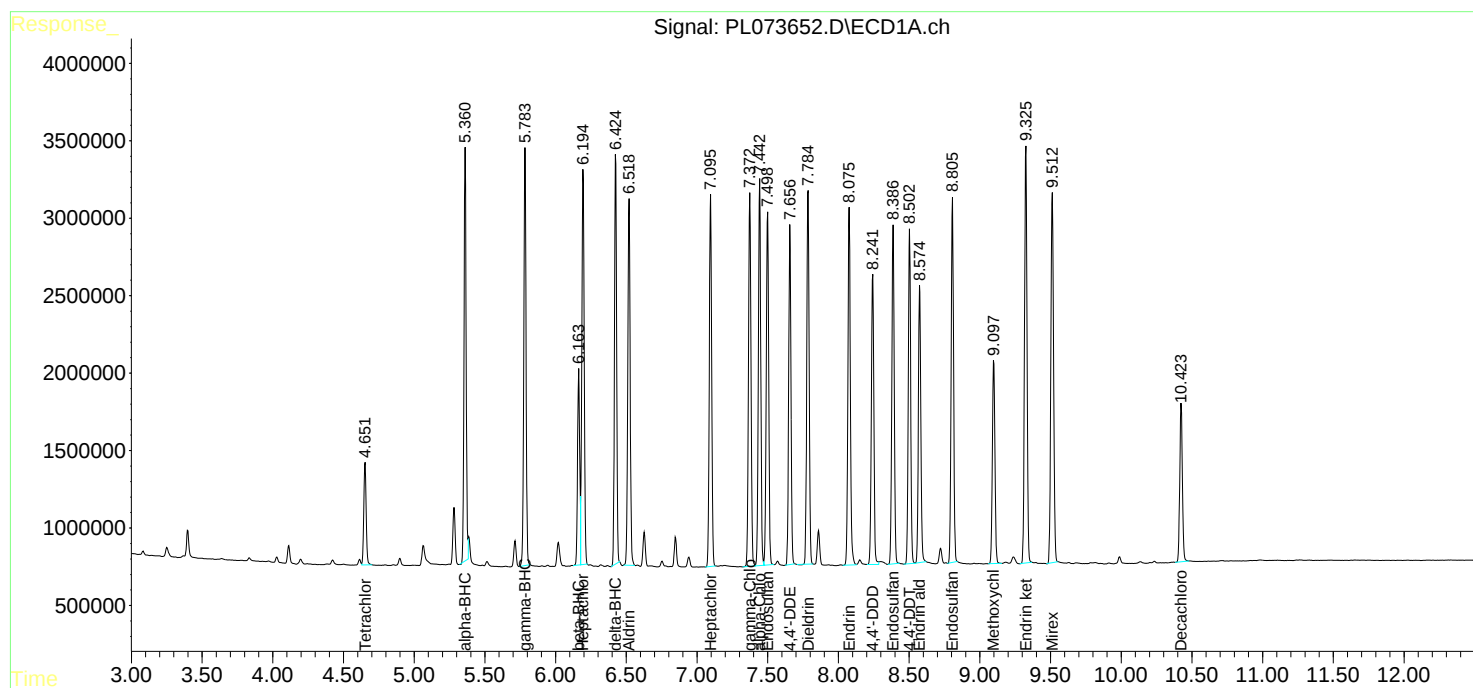
Instrument :  
 ECD\_L  
 ClientSampleId :  
 MHAMSD

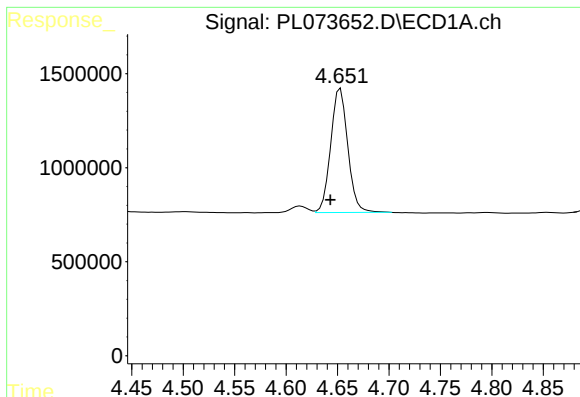
### Manual Integrations APPROVED

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 Supervised By :mohammad ahmed 03/25/2022

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 25 01:22:38 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL031122.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Mar 14 04:12:46 2022  
 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





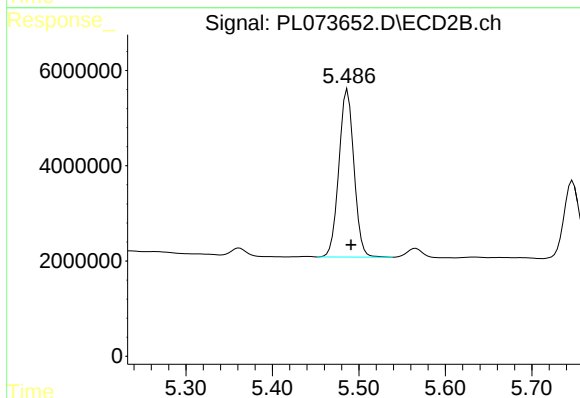
#1 Tetrachloro-m-xylene

R.T.: 4.653 min  
Delta R.T.: 0.010 min  
Response: 7627635  
Conc: 23.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MHAMSD

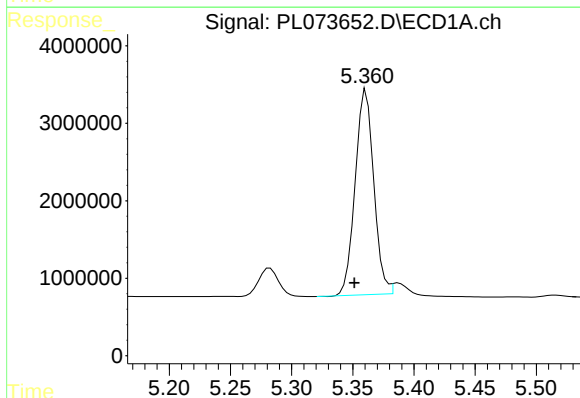
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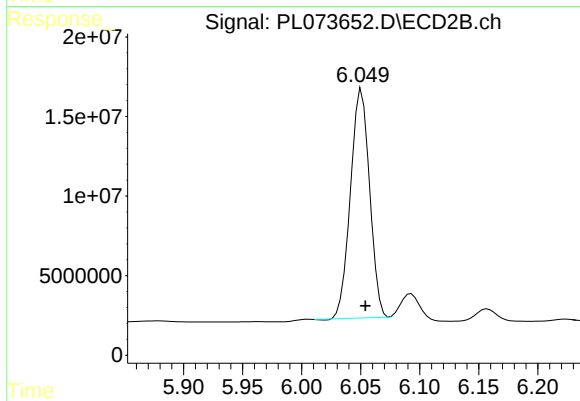
#1 Tetrachloro-m-xylene

R.T.: 5.487 min  
Delta R.T.: -0.004 min  
Response: 42265852  
Conc: 25.75 ng/ml



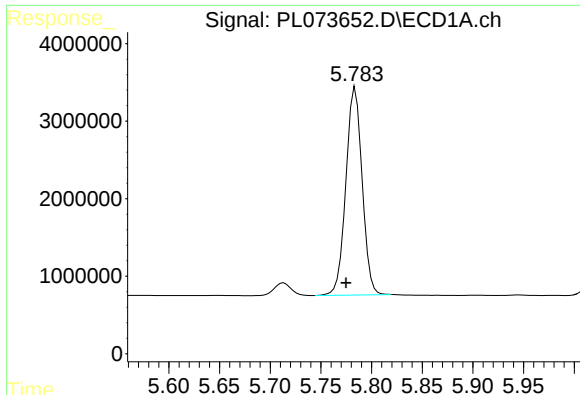
#2 alpha-BHC

R.T.: 5.361 min  
Delta R.T.: 0.010 min  
Response: 27954254  
Conc: 67.82 ng/ml



#2 alpha-BHC

R.T.: 6.051 min  
Delta R.T.: -0.003 min  
Response: 162009289  
Conc: 72.02 ng/ml



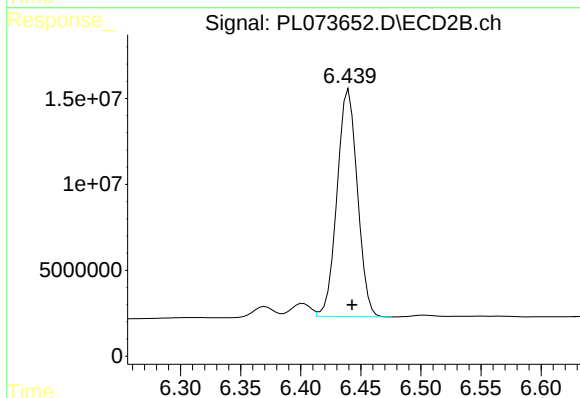
#3 gamma-BHC (Lindane)

R.T.: 5.783 min  
Delta R.T.: 0.008 min  
Response: 29838514  
Conc: 71.53 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MHAMSD

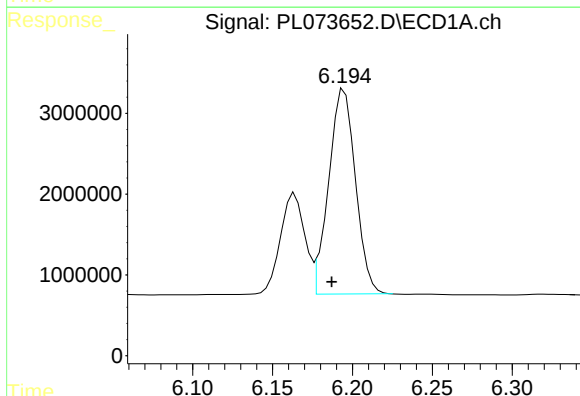
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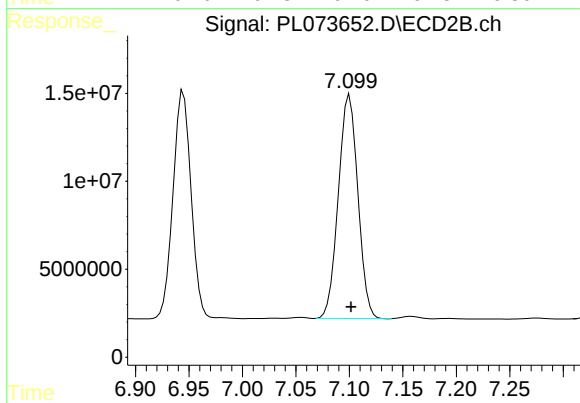
#3 gamma-BHC (Lindane)

R.T.: 6.439 min  
Delta R.T.: -0.004 min  
Response: 155818236  
Conc: 72.98 ng/ml m



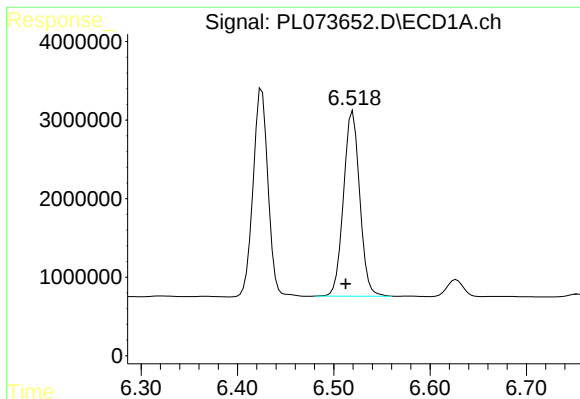
#4 Heptachlor

R.T.: 6.195 min  
Delta R.T.: 0.008 min  
Response: 29590852  
Conc: 65.58 ng/ml



#4 Heptachlor

R.T.: 7.100 min  
Delta R.T.: -0.001 min  
Response: 161887285  
Conc: 69.09 ng/ml



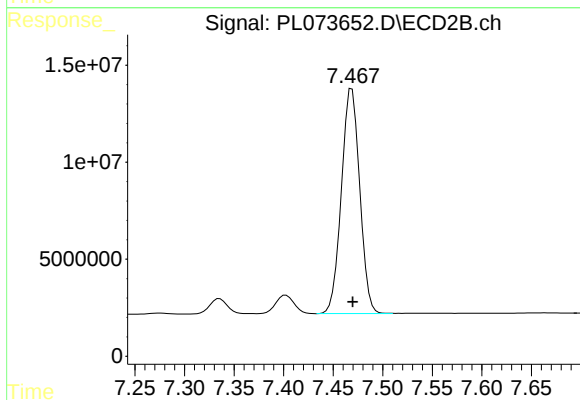
#5 Aldrin

R.T.: 6.520 min  
Delta R.T.: 0.007 min  
Response: 27470425  
Conc: 66.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MHAMSD

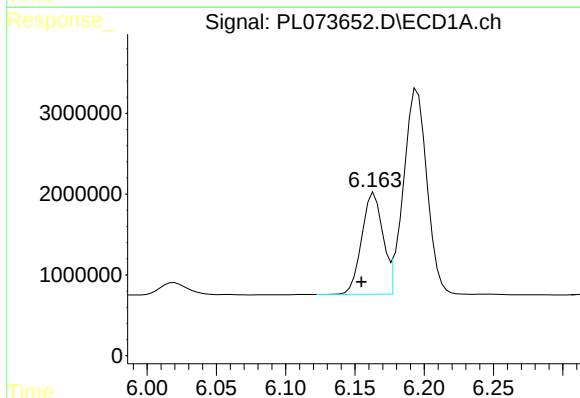
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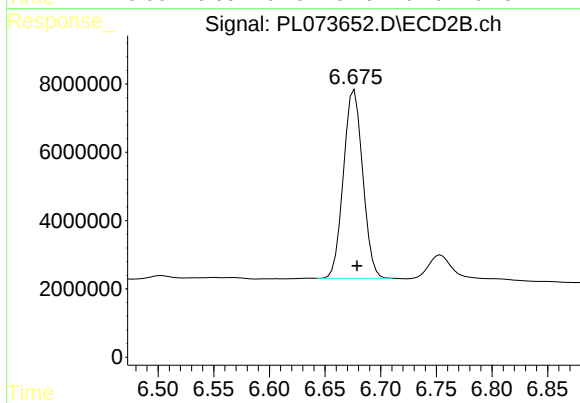
#5 Aldrin

R.T.: 7.467 min  
Delta R.T.: -0.002 min  
Response: 149327519  
Conc: 71.28 ng/ml m



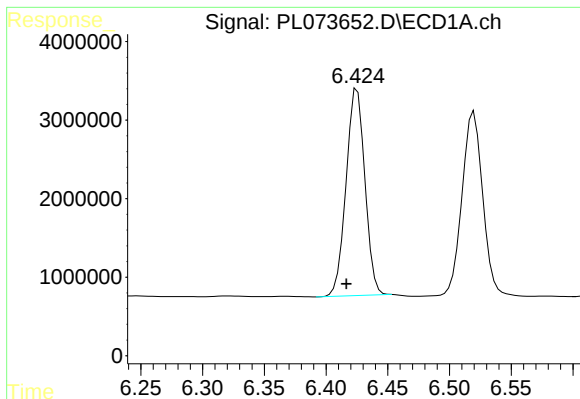
#6 beta-BHC

R.T.: 6.164 min  
Delta R.T.: 0.009 min  
Response: 13310511  
Conc: 64.65 ng/ml



#6 beta-BHC

R.T.: 6.676 min  
Delta R.T.: -0.002 min  
Response: 66479745  
Conc: 63.78 ng/ml



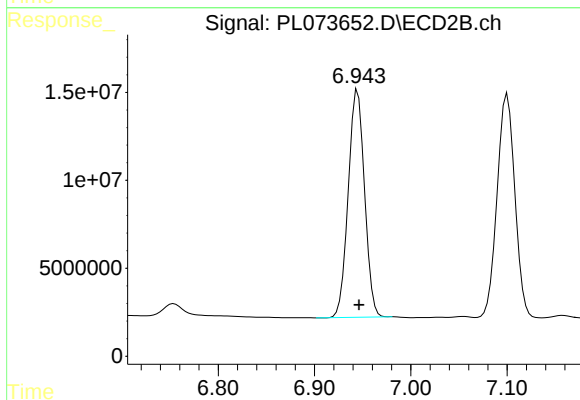
#7 delta-BHC

R.T.: 6.425 min  
Delta R.T.: 0.009 min  
Response: 27890187  
Conc: 69.44 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MHAMSD

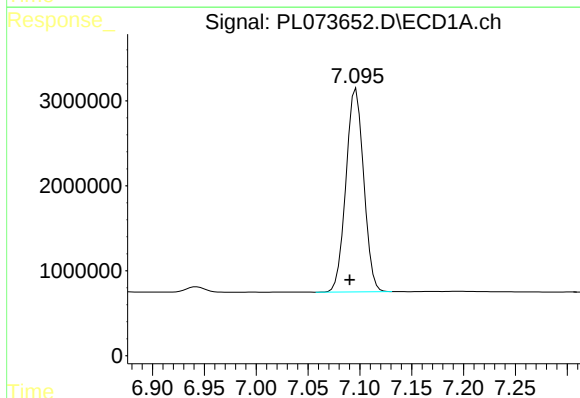
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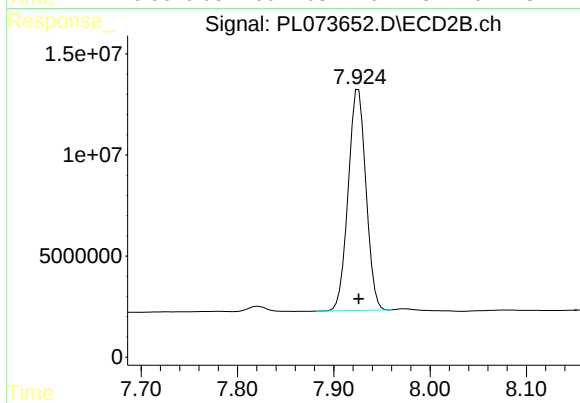
#7 delta-BHC

R.T.: 6.945 min  
Delta R.T.: -0.002 min  
Response: 151500510  
Conc: 70.35 ng/ml



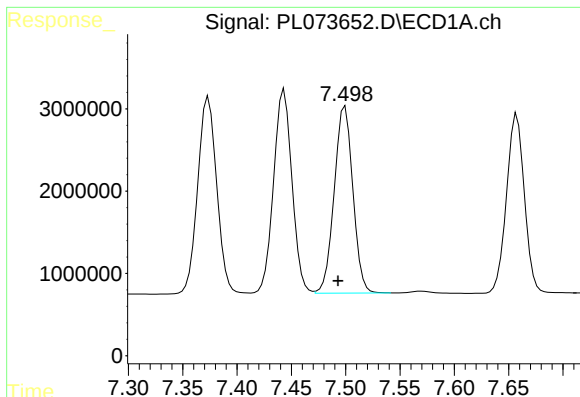
#8 Heptachlor epoxide

R.T.: 7.096 min  
Delta R.T.: 0.006 min  
Response: 28478741  
Conc: 66.08 ng/ml



#8 Heptachlor epoxide

R.T.: 7.926 min  
Delta R.T.: 0.000 min  
Response: 139593180  
Conc: 69.89 ng/ml



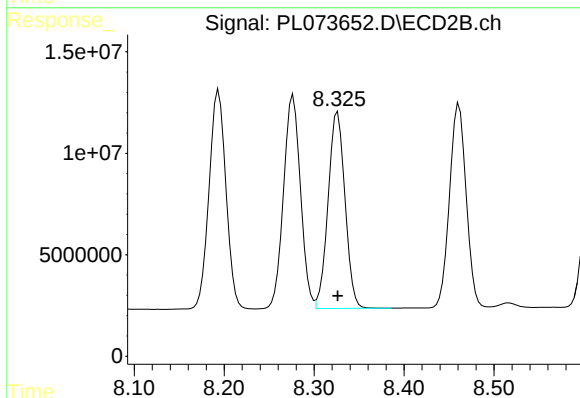
#9 Endosulfan I

R.T.: 7.499 min  
Delta R.T.: 0.006 min  
Response: 27140696  
Conc: 66.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MHAMSD

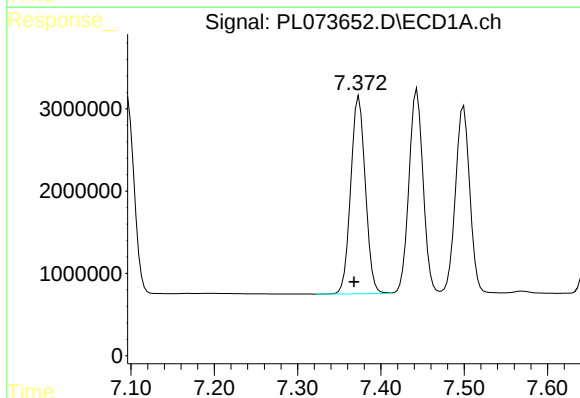
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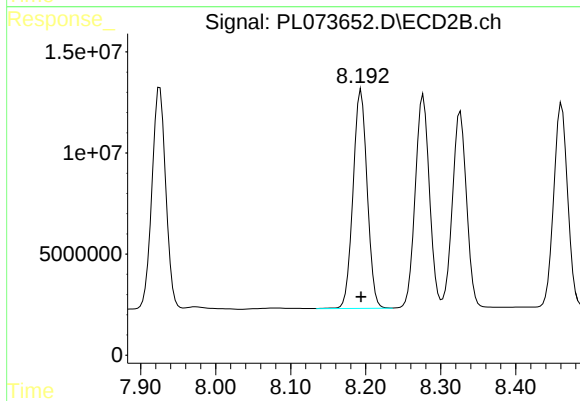
#9 Endosulfan I

R.T.: 8.326 min  
Delta R.T.: 0.000 min  
Response: 126828871  
Conc: 69.48 ng/ml



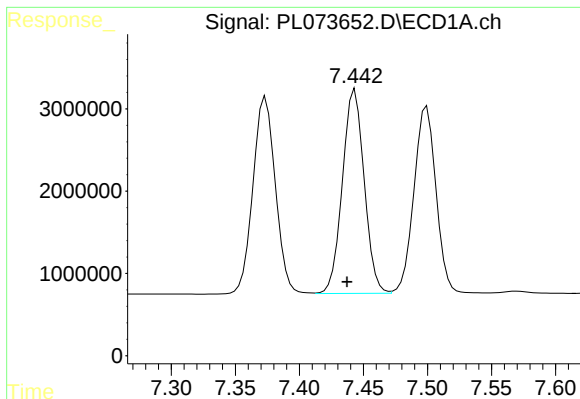
#10 gamma-Chlordane

R.T.: 7.374 min  
Delta R.T.: 0.006 min  
Response: 29188125  
Conc: 66.75 ng/ml



#10 gamma-Chlordane

R.T.: 8.194 min  
Delta R.T.: 0.000 min  
Response: 141566207  
Conc: 69.31 ng/ml



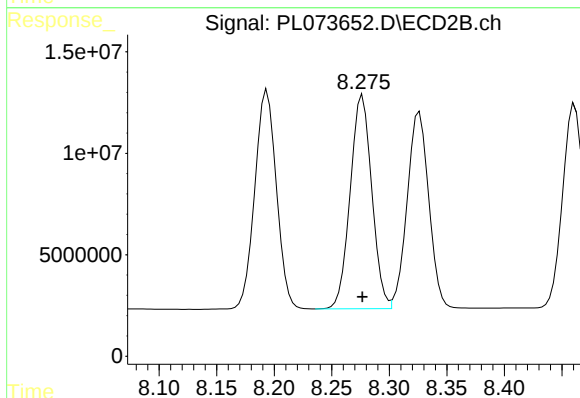
#11 alpha-Chlordane

R.T.: 7.443 min  
Delta R.T.: 0.006 min  
Response: 29294176  
Conc: 66.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MHAMSD

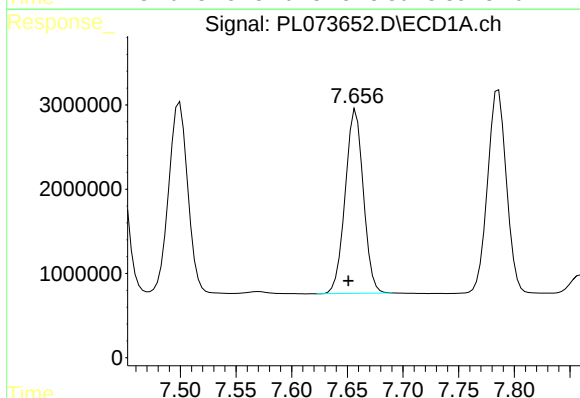
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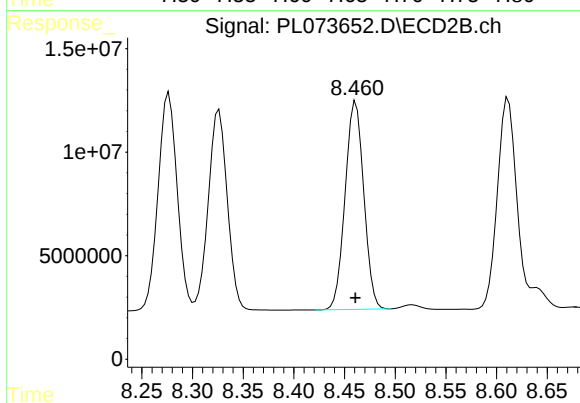
#11 alpha-Chlordane

R.T.: 8.277 min  
Delta R.T.: 0.000 min  
Response: 138292075  
Conc: 69.15 ng/ml



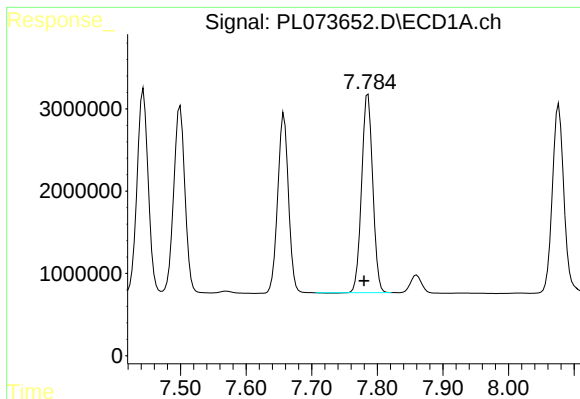
#12 4,4'-DDE

R.T.: 7.658 min  
Delta R.T.: 0.007 min  
Response: 24756545  
Conc: 68.99 ng/ml



#12 4,4'-DDE

R.T.: 8.461 min  
Delta R.T.: 0.000 min  
Response: 128525368  
Conc: 71.71 ng/ml



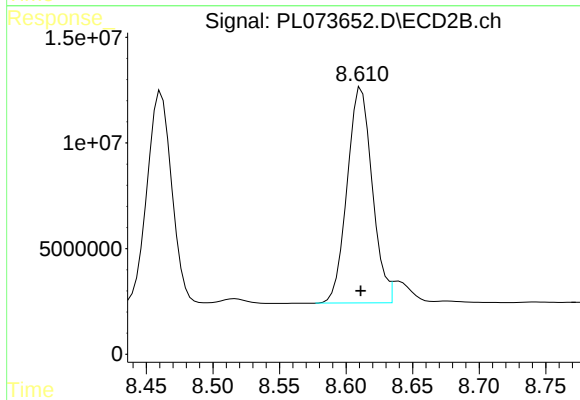
#13 Dieldrin

R.T.: 7.786 min  
Delta R.T.: 0.006 min  
Response: 28376541  
Conc: 68.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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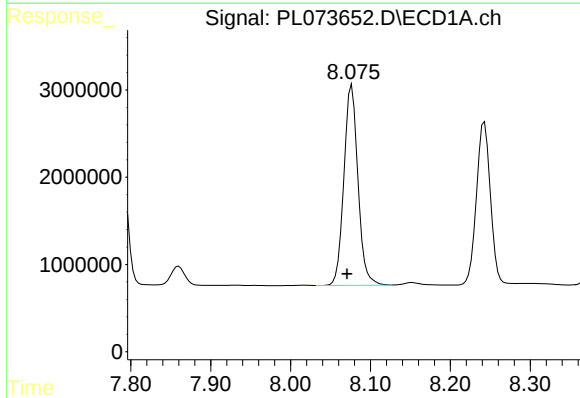
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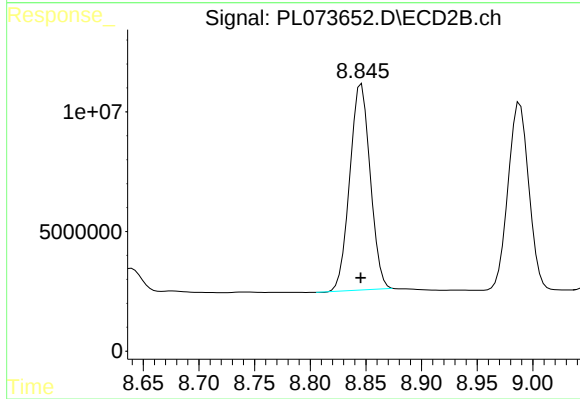
#13 Dieldrin

R.T.: 8.610 min  
Delta R.T.: -0.001 min  
Response: 134090265  
Conc: 72.69 ng/ml m



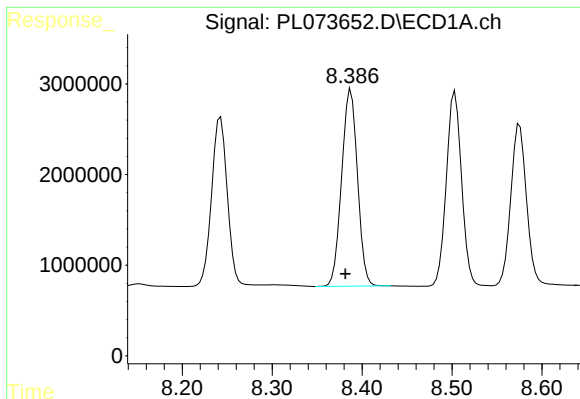
#14 Endrin

R.T.: 8.077 min  
Delta R.T.: 0.006 min  
Response: 28127418  
Conc: 72.49 ng/ml



#14 Endrin

R.T.: 8.846 min  
Delta R.T.: 0.000 min  
Response: 110067576  
Conc: 71.50 ng/ml



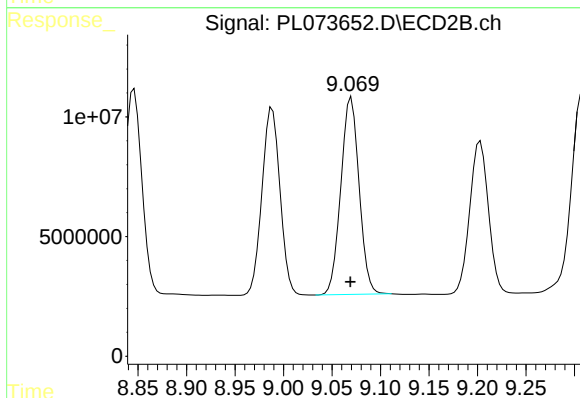
#15 Endosulfan II

R.T.: 8.388 min  
Delta R.T.: 0.006 min  
Response: 26585709  
Conc: 68.02 ng/ml

Instrument :  
ECD\_L  
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MHAMSD

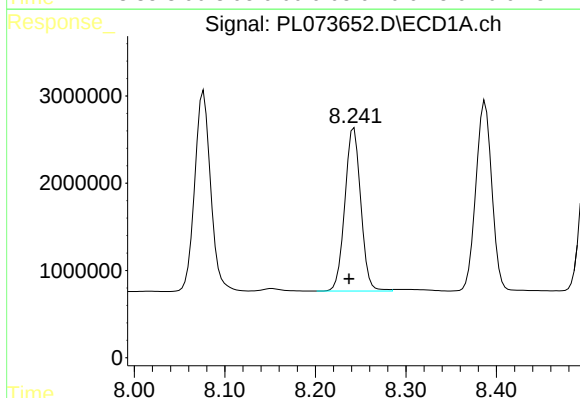
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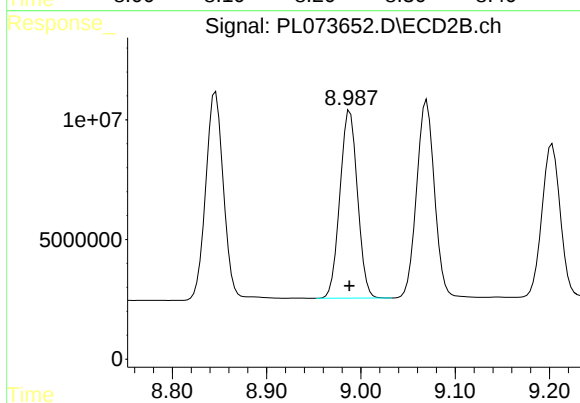
#15 Endosulfan II

R.T.: 9.070 min  
Delta R.T.: 0.000 min  
Response: 107795635  
Conc: 70.19 ng/ml



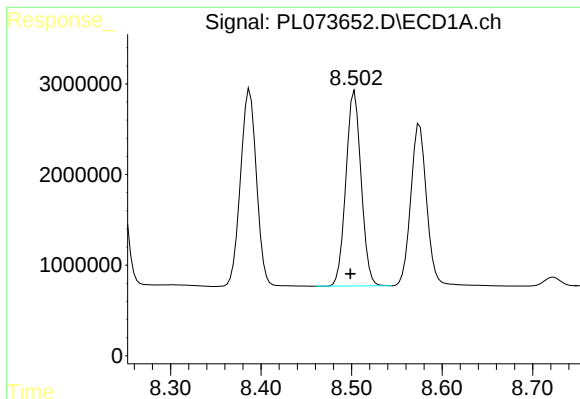
#16 4,4'-DDD

R.T.: 8.243 min  
Delta R.T.: 0.005 min  
Response: 22863255  
Conc: 70.41 ng/ml



#16 4,4'-DDD

R.T.: 8.988 min  
Delta R.T.: 0.000 min  
Response: 101646414  
Conc: 69.63 ng/ml



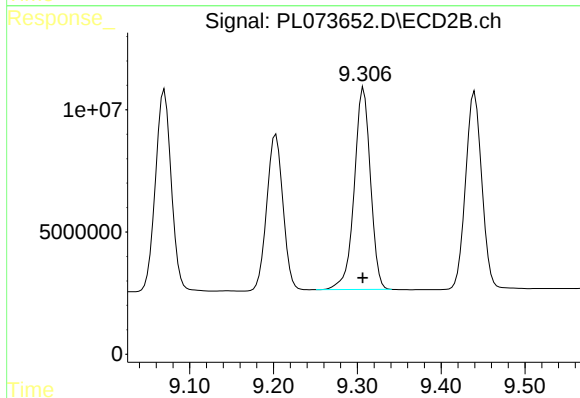
#17 4,4'-DDT

R.T.: 8.503 min  
Delta R.T.: 0.005 min  
Response: 25199006  
Conc: 66.63 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MHAMSD

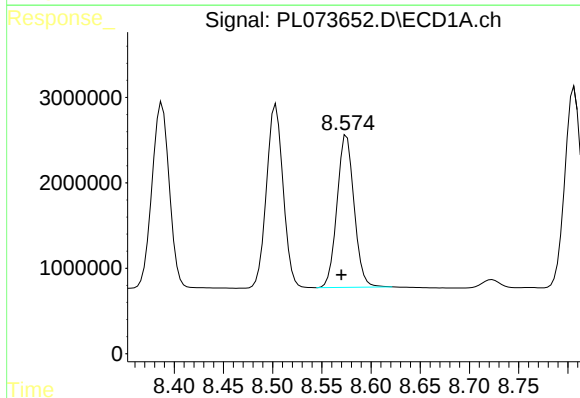
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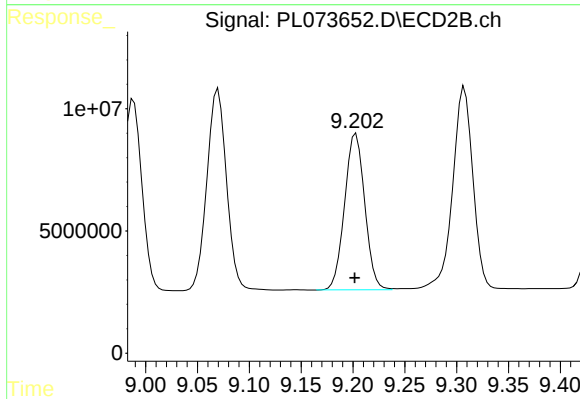
#17 4,4'-DDT

R.T.: 9.308 min  
Delta R.T.: 0.001 min  
Response: 110927139  
Conc: 67.86 ng/ml



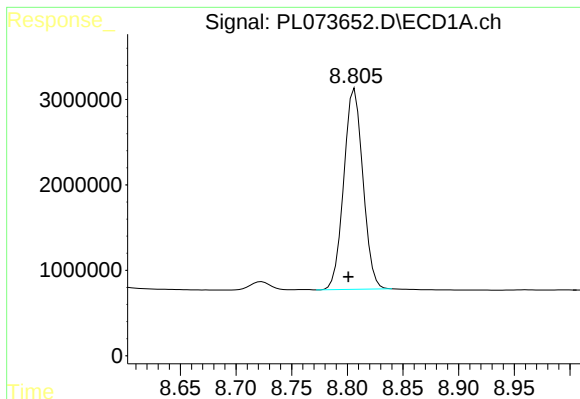
#18 Endrin aldehyde

R.T.: 8.575 min  
Delta R.T.: 0.005 min  
Response: 21507230  
Conc: 68.01 ng/ml



#18 Endrin aldehyde

R.T.: 9.202 min  
Delta R.T.: 0.000 min  
Response: 86377633  
Conc: 70.44 ng/ml m



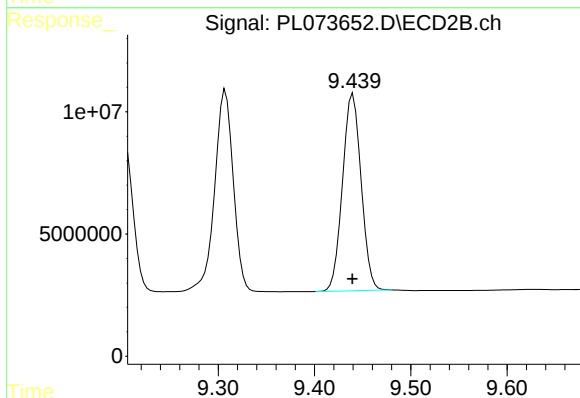
#19 Endosulfan Sulfate

R.T.: 8.807 min  
Delta R.T.: 0.006 min  
Response: 28107752  
Conc: 66.54 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MHAMSD

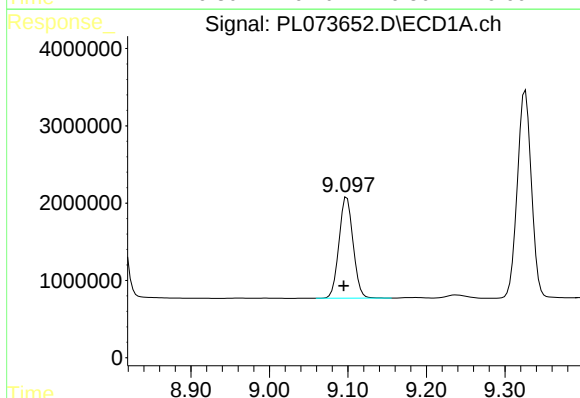
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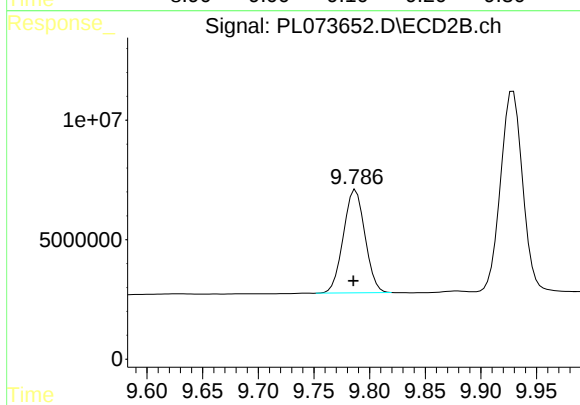
#19 Endosulfan Sulfate

R.T.: 9.440 min  
Delta R.T.: 0.000 min  
Response: 107971061  
Conc: 68.51 ng/ml



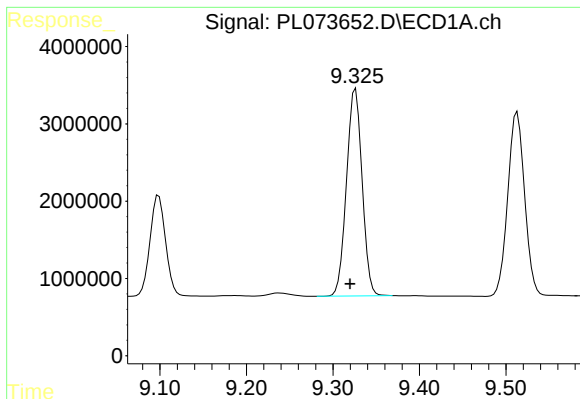
#20 Methoxychlor

R.T.: 9.099 min  
Delta R.T.: 0.004 min  
Response: 16350825  
Conc: 63.74 ng/ml



#20 Methoxychlor

R.T.: 9.788 min  
Delta R.T.: 0.002 min  
Response: 58408890  
Conc: 64.82 ng/ml



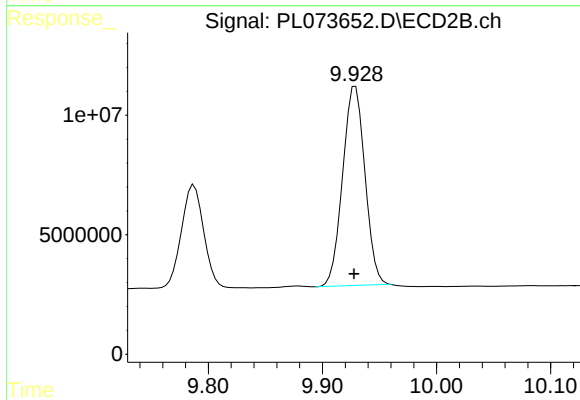
#21 Endrin ketone

R.T.: 9.326 min  
Delta R.T.: 0.006 min  
Response: 33456505  
Conc: 68.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MHAMSD

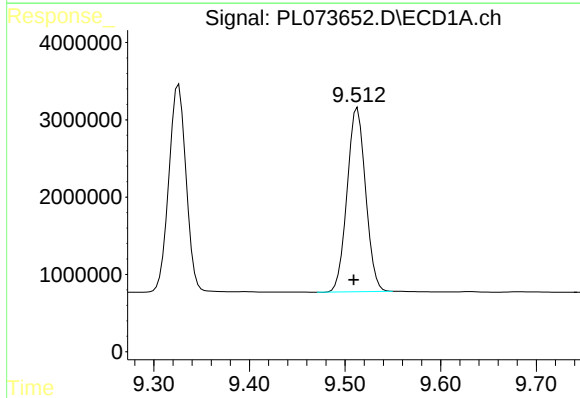
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/25/2022  
Supervised By :mohammad ahmed 03/25/2022



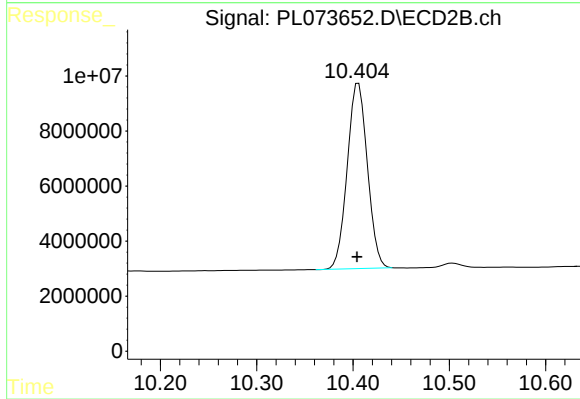
#21 Endrin ketone

R.T.: 9.929 min  
Delta R.T.: 0.001 min  
Response: 113289015  
Conc: 68.64 ng/ml



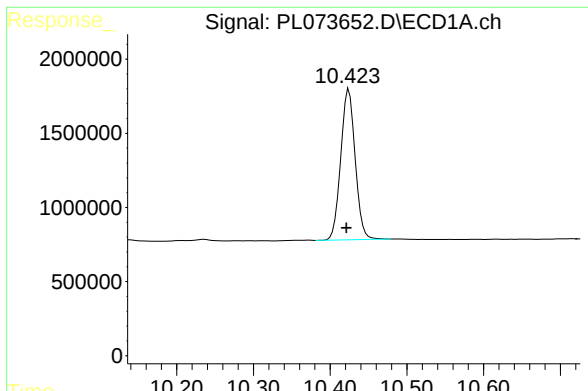
#22 Mirex

R.T.: 9.513 min  
Delta R.T.: 0.004 min  
Response: 32050956  
Conc: 67.97 ng/ml



#22 Mirex

R.T.: 10.406 min  
Delta R.T.: 0.002 min  
Response: 97610517  
Conc: 71.85 ng/ml



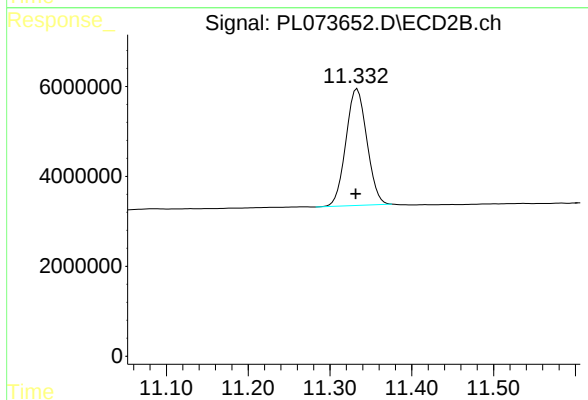
#28 Decachlorobiphenyl

R.T.: 10.424 min  
Delta R.T.: 0.003 min  
Response: 13292599  
Conc: 26.14 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MHAMSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/25/2022  
Supervised By :mohammad ahmed 03/25/2022



#28 Decachlorobiphenyl

R.T.: 11.333 min  
Delta R.T.: 0.002 min  
Response: 46175427  
Conc: 25.82 ng/ml