

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111121\  
 Data File : PL070922.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2021 13:28  
 Operator : AR\AJ  
 Sample : M4068-08  
 Misc : PEST LOQ 5PPB  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 LOQ-WATER-02-QT4-2021

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 11/12/2021  
 Supervised By : mohammad ahmed 11/12/2021

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 12 03:31:28 2021  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL110321.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Nov 04 19:28:07 2021  
 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...          | 4.568  | 5.501  | 9067299  | 25031968 | 18.512 | 19.853 |
| 28) SA Decachlor...         | 10.329 | 11.389 | 13528695 | 27866501 | 19.799 | 20.837 |
| Target Compounds            |        |        |          |          |        |        |
| 2) A alpha-BHC              | 5.273  | 6.080  | 2533770  | 8484556  | 3.785  | 4.609  |
| 3) MA gamma-BHC...          | 5.695  | 6.476  | 2973242  | 7753281  | 4.432  | 4.471  |
| 4) MA Heptachlor            | 6.101  | 7.123  | 3041374  | 8047747  | 4.239m | 4.955  |
| 5) MB Aldrin                | 6.426  | 7.491  | 2748342  | 7566336  | 4.298  | 4.660m |
| 6) B beta-BHC               | 6.076  | 6.733  | 1705980  | 5585957  | 5.252m | 6.519  |
| 7) B delta-BHC              | 6.335  | 6.998  | 2758709  | 8174848  | 4.168m | 4.889  |
| 8) B Heptachlo...           | 7.004  | 7.959  | 2992010  | 7552436  | 4.602  | 4.955  |
| 9) A Endosulfan I           | 7.406  | 8.364  | 2858675  | 7058632  | 4.667  | 4.907  |
| 10) B gamma-Chl...          | 7.280  | 8.229  | 3084124  | 7526234  | 4.646  | 4.861  |
| 11) B alpha-Chl...          | 7.350  | 8.309  | 3104876  | 7525061  | 4.659  | 4.948  |
| 12) B 4,4'-DDE              | 7.565  | 8.497  | 2481207  | 7504941  | 4.259  | 5.086m |
| 13) MA Dieldrin             | 7.692  | 8.653  | 2905704  | 7249092  | 4.655  | 4.975  |
| 14) MA Endrin               | 7.982  | 8.891  | 2534542  | 5491117  | 4.470  | 4.741  |
| 15) B Endosulfa...          | 8.293  | 9.125  | 2837601  | 6771316  | 4.688  | 5.544m |
| 16) A 4,4'-DDD              | 8.149  | 9.037  | 2276274  | 5242875  | 4.480m | 4.357  |
| 17) MA 4,4'-DDT             | 8.411  | 9.354  | 2338905  | 5880913  | 4.253  | 4.662  |
| 18) B Endrin al...          | 8.482  | 9.261  | 2687103  | 5947988  | 5.915  | 6.151  |
| 19) B Endosulfa...          | 8.713  | 9.498  | 3189587  | 6442949  | 5.170  | 5.198  |
| 20) A Methoxychlor          | 9.006  | 9.842  | 1719070  | 3244397  | 4.699  | 4.794  |
| 21) B Endrin ke...          | 9.231  | 9.995  | 3826800  | 7014550  | 5.352  | 4.887  |
| 22) Mirex                   | 9.415  | 10.459 | 3633865  | 5827649  | 5.917  | 5.595  |
| -----                       |        |        |          |          |        |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111121\  
Data File : PL070922.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2021 13:28  
Operator : AR\AJ  
Sample : M4068-08  
Misc : PEST LOQ 5PPB  
ALS Vial : 13 Sample Multiplier: 1

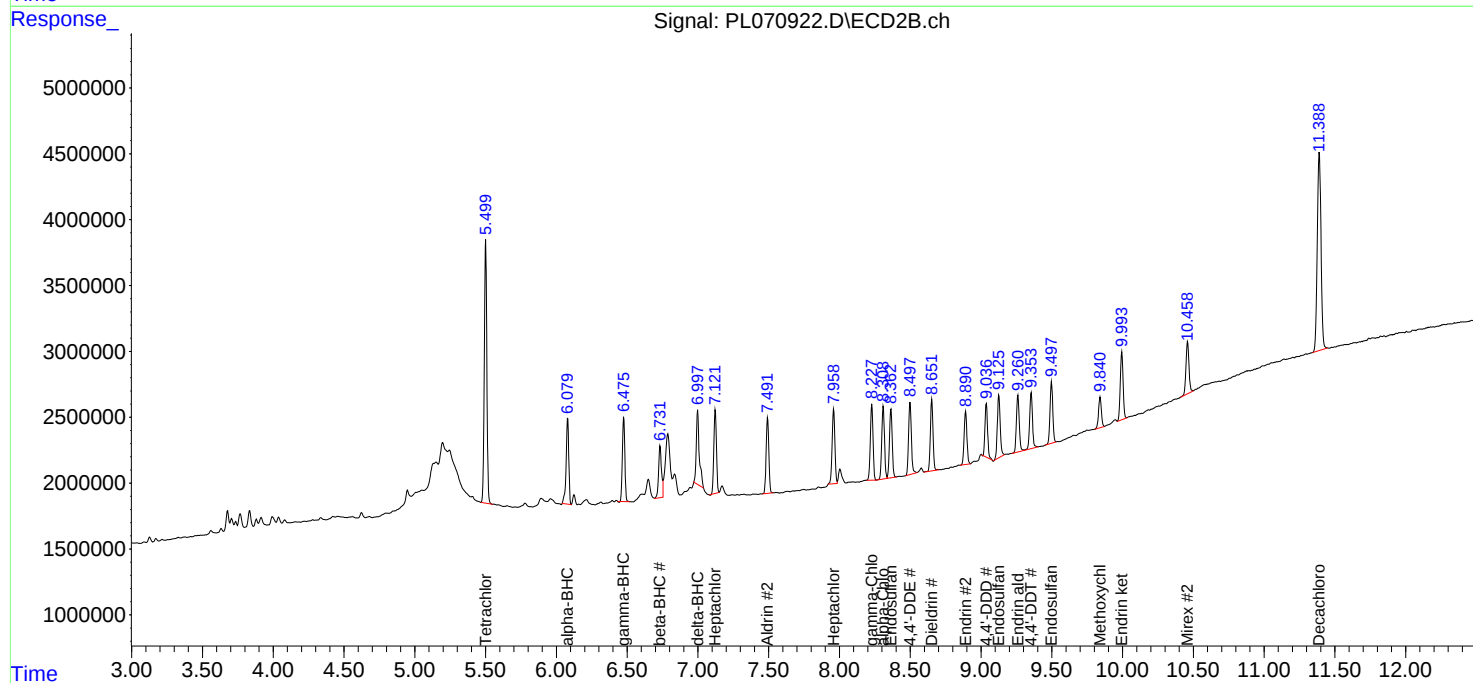
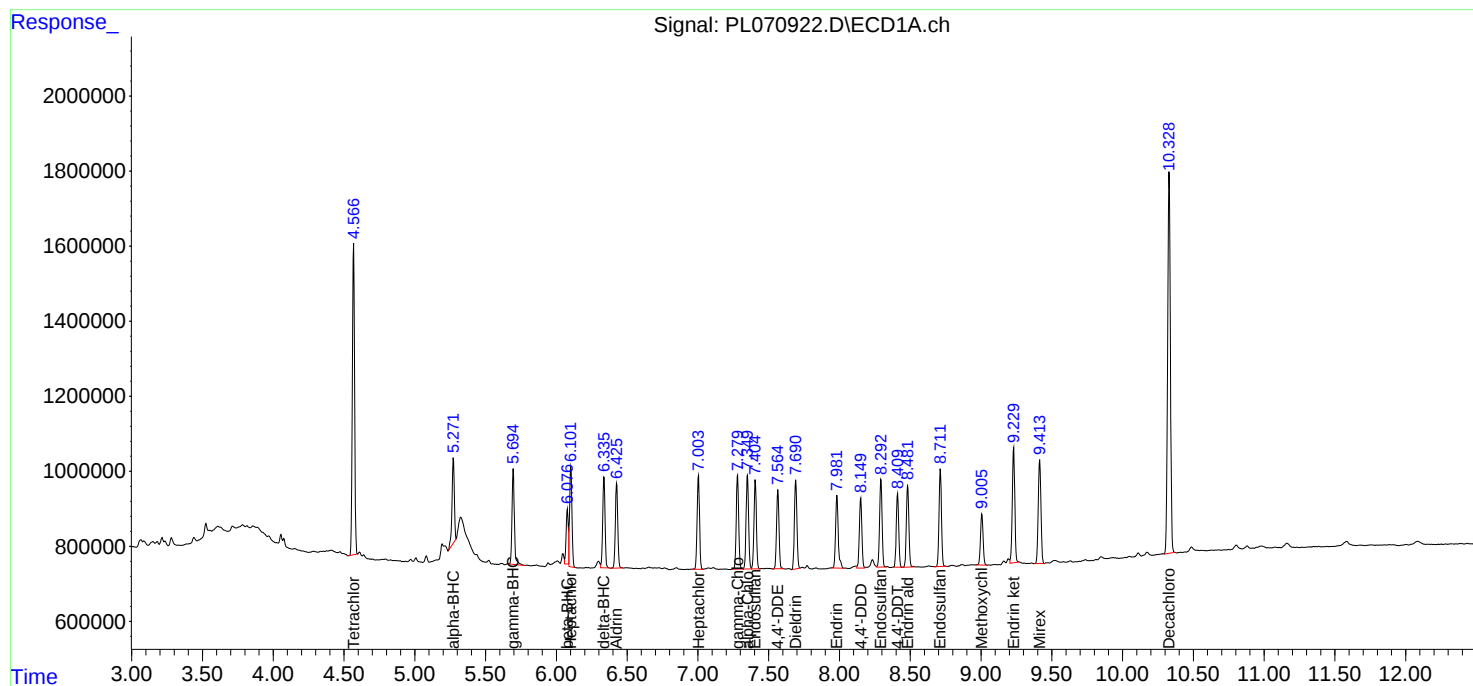
Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-WATER-02-QT4-2021

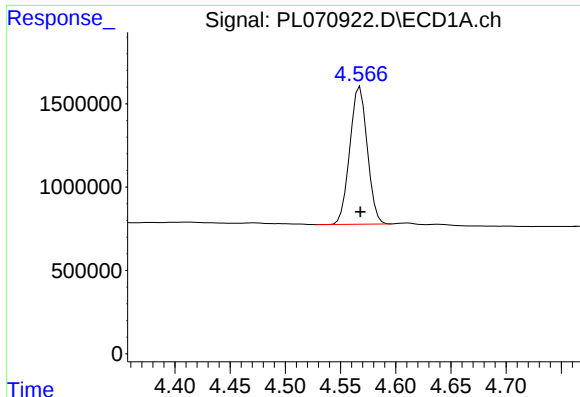
Manual Integrations  
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Supervised By :mohammad ahmed 11/12/2021

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 12 03:31:28 2021  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL110321.M  
Quant Title : GC Extractables  
QLast Update : Thu Nov 04 19:28:07 2021  
Response via : Initial Calibration  
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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





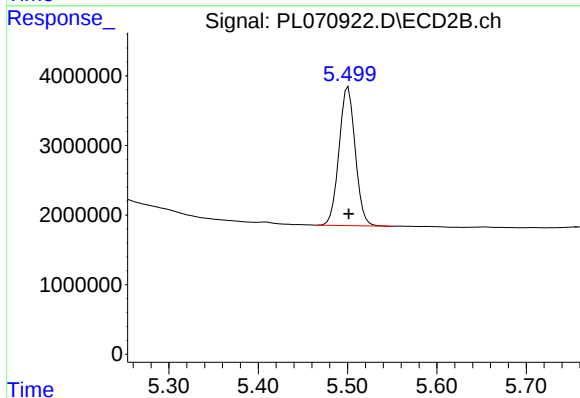
#1 Tetrachloro-m-xylene

R.T.: 4.568 min  
Delta R.T.: 0.000 min  
Response: 9067299  
Conc: 18.51 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-WATER-02-QT4-2021

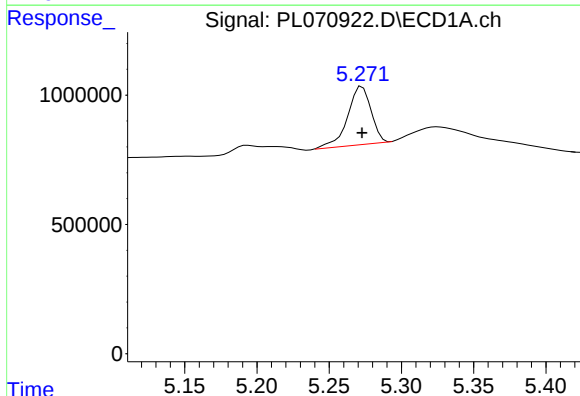
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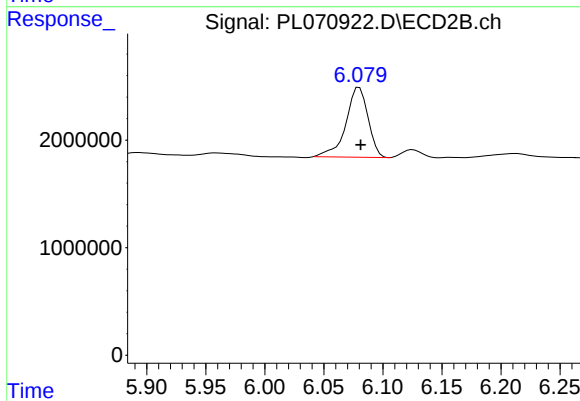
#1 Tetrachloro-m-xylene

R.T.: 5.501 min  
Delta R.T.: 0.000 min  
Response: 25031968  
Conc: 19.85 ng/ml



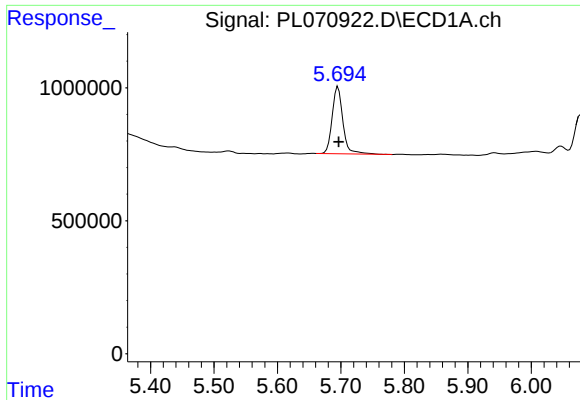
#2 alpha-BHC

R.T.: 5.273 min  
Delta R.T.: 0.000 min  
Response: 2533770  
Conc: 3.79 ng/ml



#2 alpha-BHC

R.T.: 6.080 min  
Delta R.T.: -0.001 min  
Response: 8484556  
Conc: 4.61 ng/ml



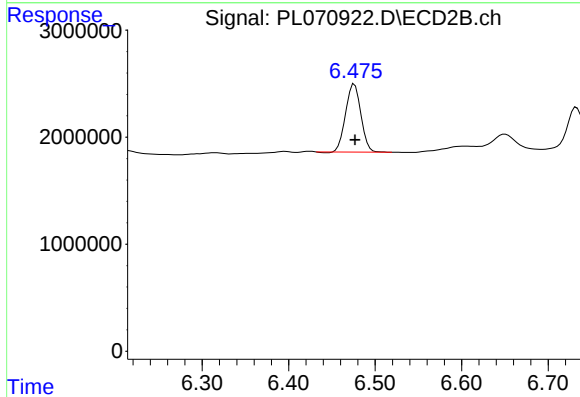
#3 gamma-BHC (Lindane)

R.T.: 5.695 min  
Delta R.T.: -0.001 min  
Response: 2973242  
Conc: 4.43 ng/ml

Instrument :  
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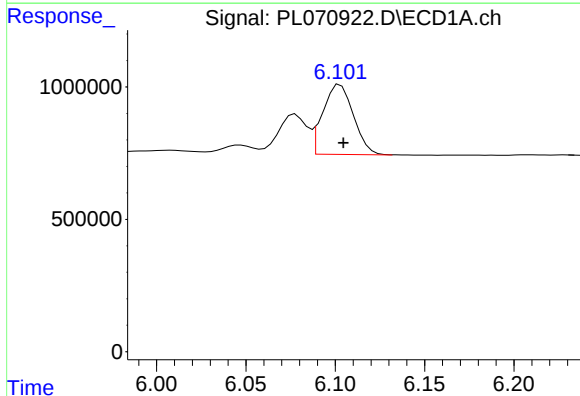
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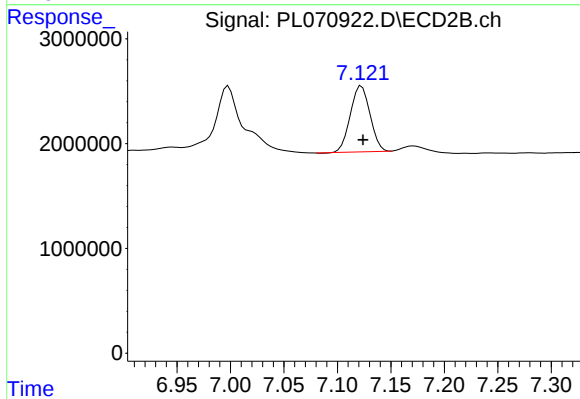
#3 gamma-BHC (Lindane)

R.T.: 6.476 min  
Delta R.T.: 0.000 min  
Response: 7753281  
Conc: 4.47 ng/ml



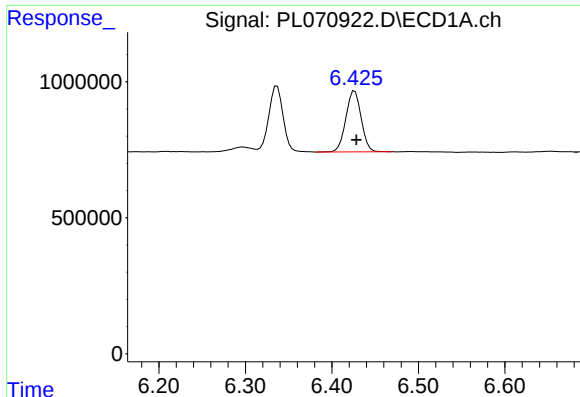
#4 Heptachlor

R.T.: 6.101 min  
Delta R.T.: -0.003 min  
Response: 3041374  
Conc: 4.24 ng/ml m



#4 Heptachlor

R.T.: 7.123 min  
Delta R.T.: -0.001 min  
Response: 8047747  
Conc: 4.95 ng/ml



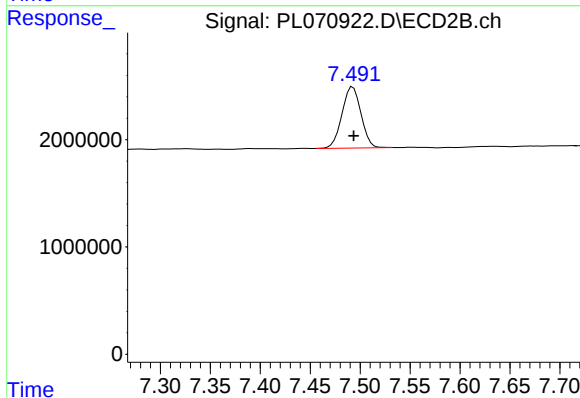
#5 Aldrin

R.T.: 6.426 min  
Delta R.T.: -0.002 min  
Response: 2748342  
Conc: 4.30 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-WATER-02-QT4-2021

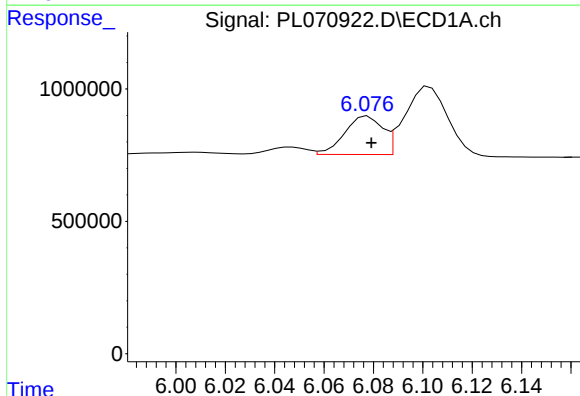
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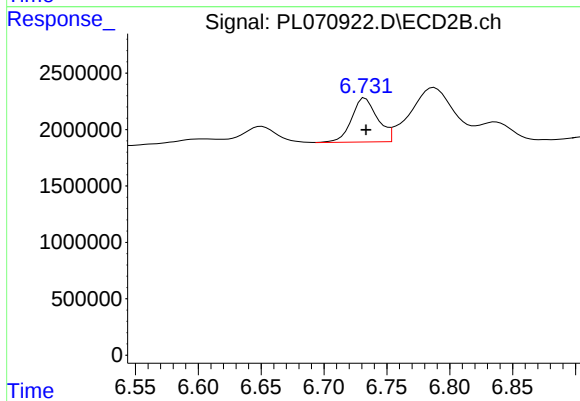
#5 Aldrin

R.T.: 7.491 min  
Delta R.T.: -0.002 min  
Response: 7566336  
Conc: 4.66 ng/ml m



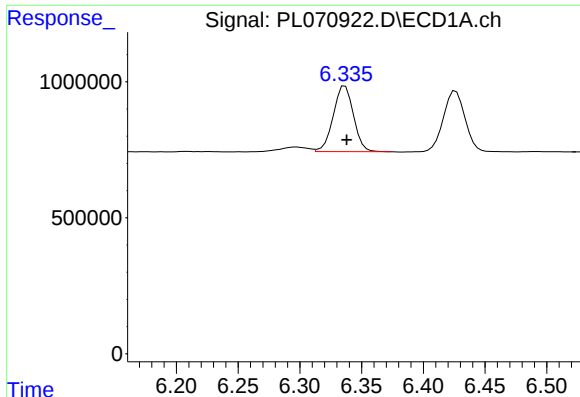
#6 beta-BHC

R.T.: 6.076 min  
Delta R.T.: -0.003 min  
Response: 1705980  
Conc: 5.25 ng/ml m



#6 beta-BHC

R.T.: 6.733 min  
Delta R.T.: 0.000 min  
Response: 5585957  
Conc: 6.52 ng/ml



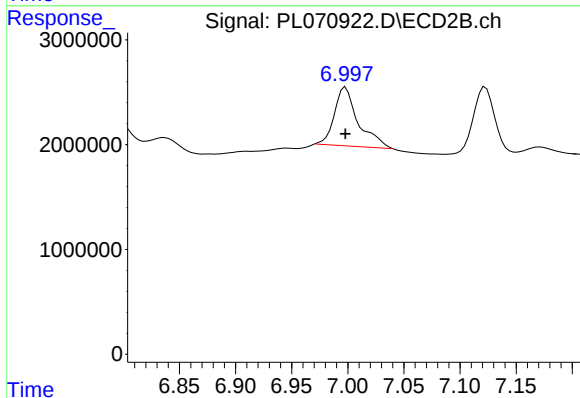
#7 delta-BHC

R.T.: 6.335 min  
Delta R.T.: -0.003 min  
Response: 2758709  
Conc: 4.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-WATER-02-QT4-2021

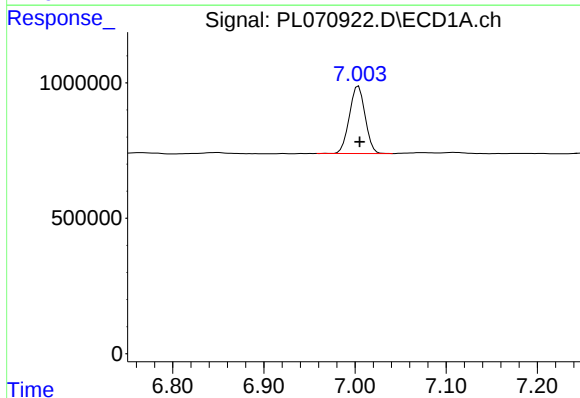
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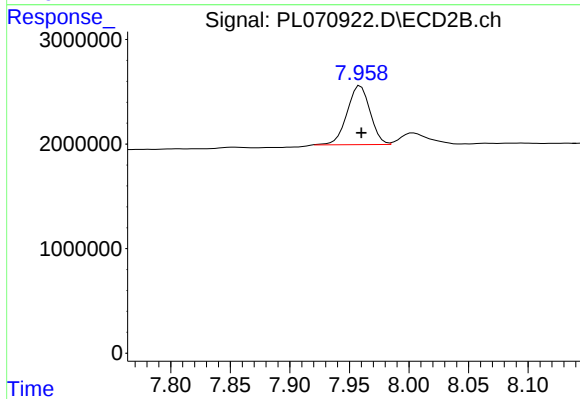
#7 delta-BHC

R.T.: 6.998 min  
Delta R.T.: 0.000 min  
Response: 8174848  
Conc: 4.89 ng/ml



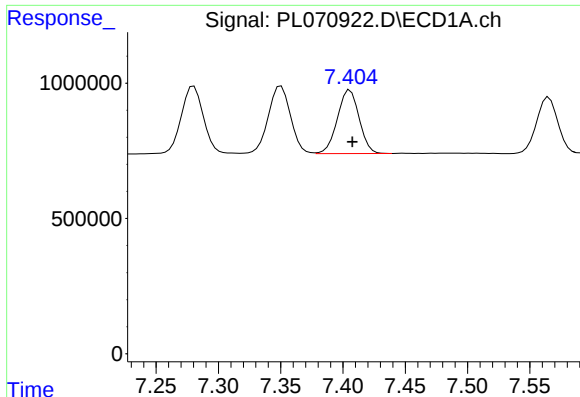
#8 Heptachlor epoxide

R.T.: 7.004 min  
Delta R.T.: -0.001 min  
Response: 2992010  
Conc: 4.60 ng/ml



#8 Heptachlor epoxide

R.T.: 7.959 min  
Delta R.T.: 0.000 min  
Response: 7552436  
Conc: 4.96 ng/ml



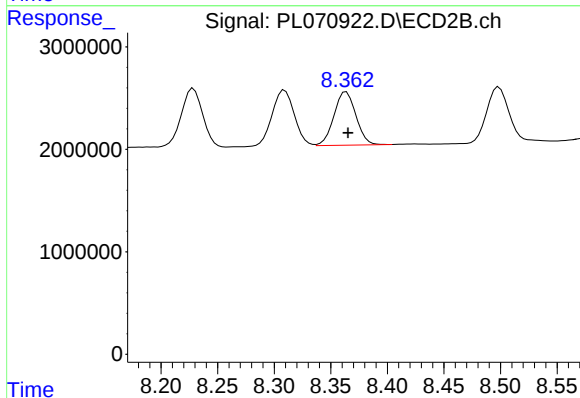
#9 Endosulfan I

R.T.: 7.406 min  
Delta R.T.: -0.002 min  
Response: 2858675  
Conc: 4.67 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-WATER-02-QT4-2021

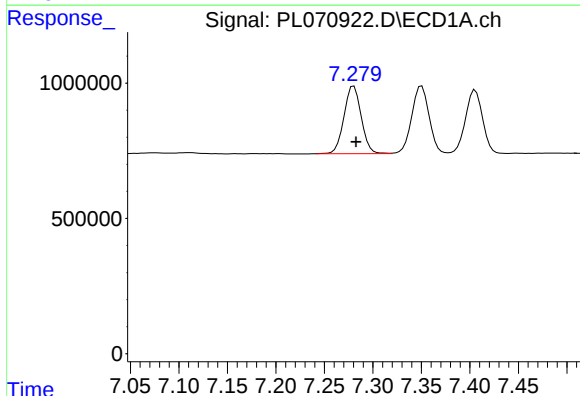
Manual Integrations  
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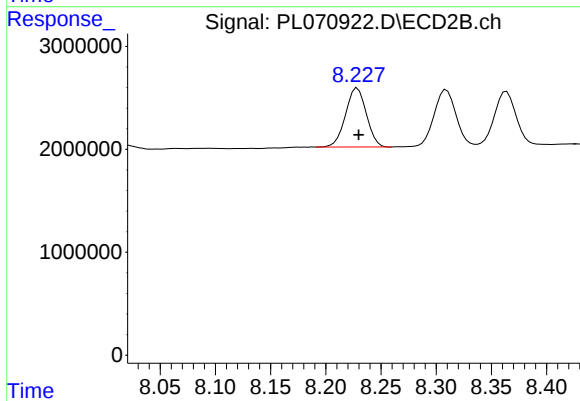
#9 Endosulfan I

R.T.: 8.364 min  
Delta R.T.: -0.002 min  
Response: 7058632  
Conc: 4.91 ng/ml



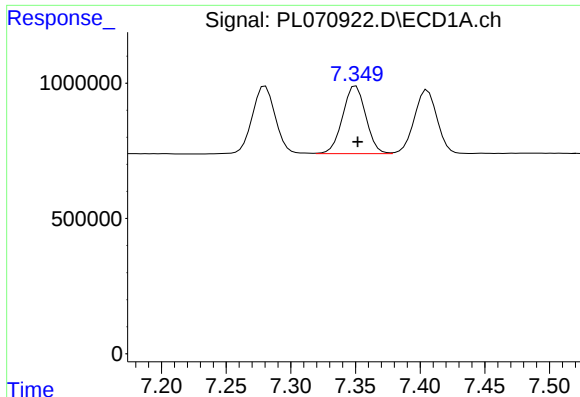
#10 gamma-Chlordane

R.T.: 7.280 min  
Delta R.T.: -0.002 min  
Response: 3084124  
Conc: 4.65 ng/ml



#10 gamma-Chlordane

R.T.: 8.229 min  
Delta R.T.: -0.001 min  
Response: 7526234  
Conc: 4.86 ng/ml



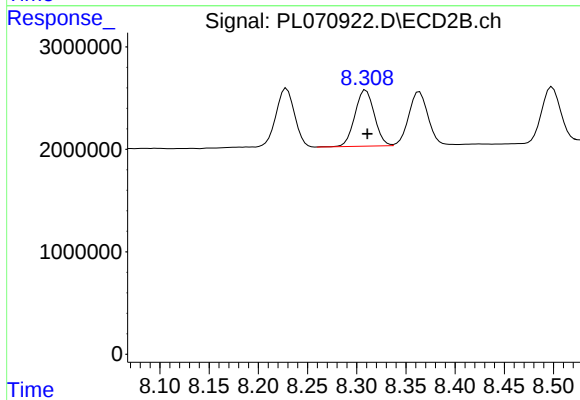
#11 alpha-Chlordane

R.T.: 7.350 min  
Delta R.T.: -0.002 min  
Response: 3104876  
Conc: 4.66 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-WATER-02-QT4-2021

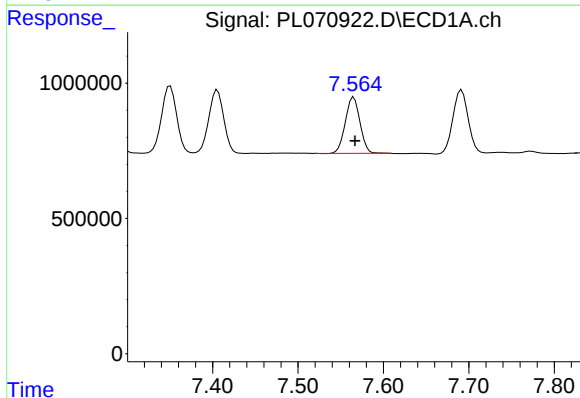
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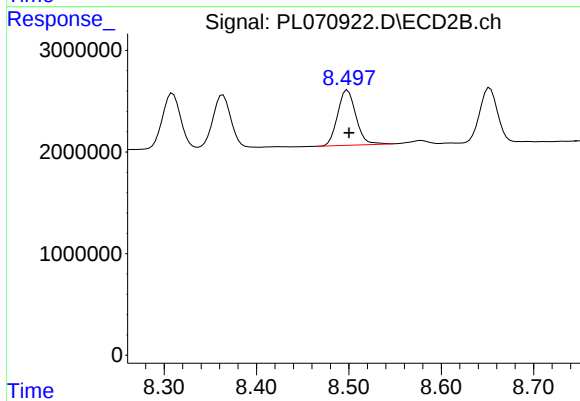
#11 alpha-Chlordane

R.T.: 8.309 min  
Delta R.T.: -0.002 min  
Response: 7525061  
Conc: 4.95 ng/ml



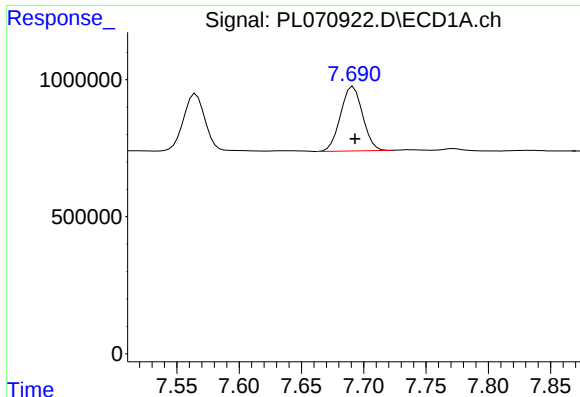
#12 4,4'-DDE

R.T.: 7.565 min  
Delta R.T.: -0.002 min  
Response: 2481207  
Conc: 4.26 ng/ml



#12 4,4'-DDE

R.T.: 8.497 min  
Delta R.T.: -0.003 min  
Response: 7504941  
Conc: 5.09 ng/ml m



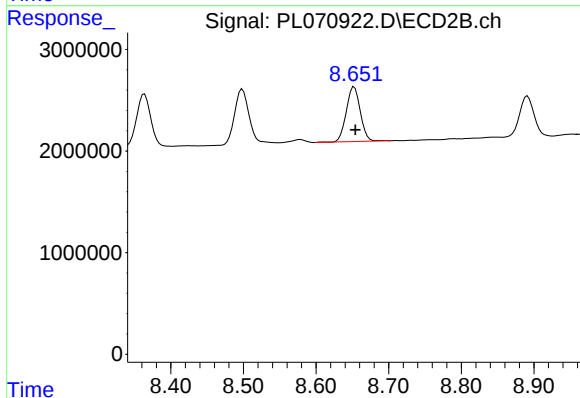
#13 Dieldrin

R.T.: 7.692 min  
Delta R.T.: -0.001 min  
Response: 2905704  
Conc: 4.65 ng/ml

Instrument :  
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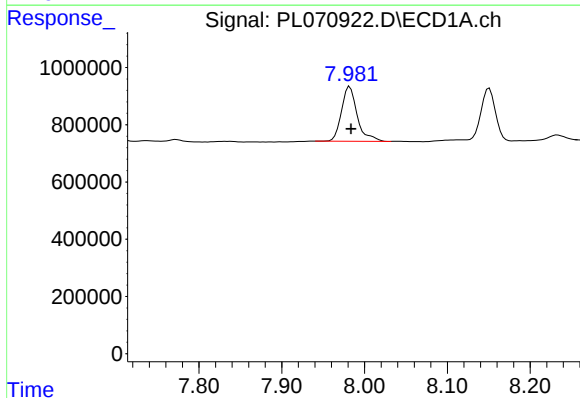
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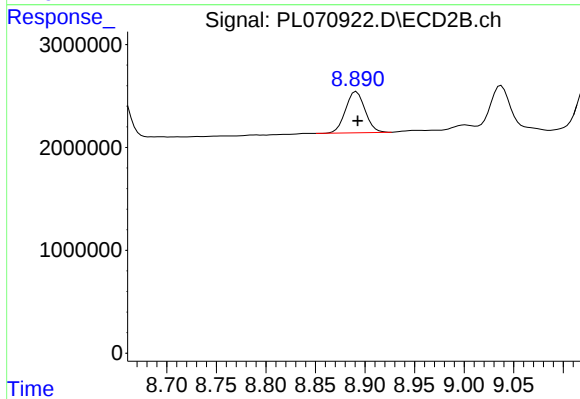
#13 Dieldrin

R.T.: 8.653 min  
Delta R.T.: -0.002 min  
Response: 7249092  
Conc: 4.97 ng/ml



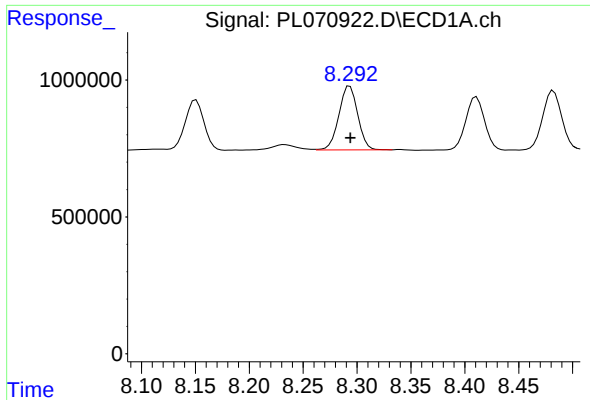
#14 Endrin

R.T.: 7.982 min  
Delta R.T.: -0.002 min  
Response: 2534542  
Conc: 4.47 ng/ml



#14 Endrin

R.T.: 8.891 min  
Delta R.T.: -0.001 min  
Response: 5491117  
Conc: 4.74 ng/ml



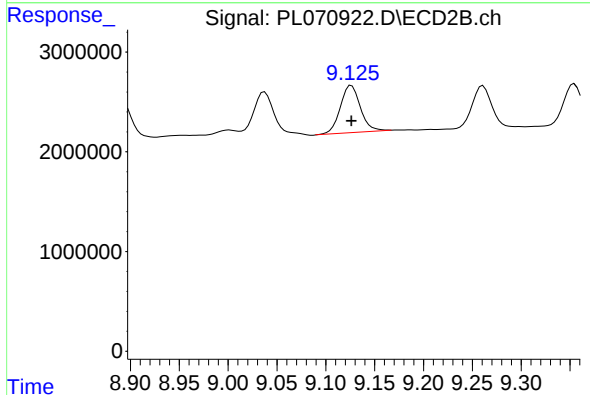
#15 Endosulfan II

R.T.: 8.293 min  
Delta R.T.: 0.000 min  
Response: 2837601  
Conc: 4.69 ng/ml

Instrument :  
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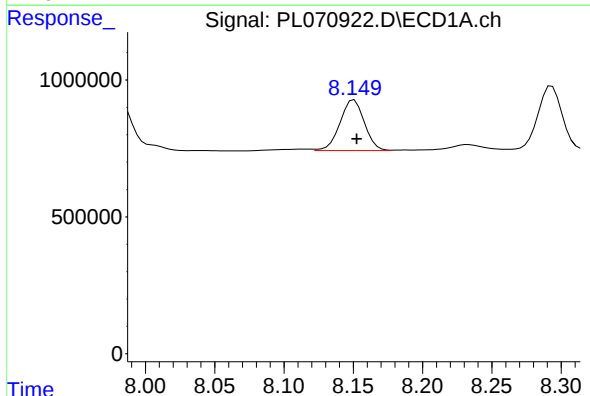
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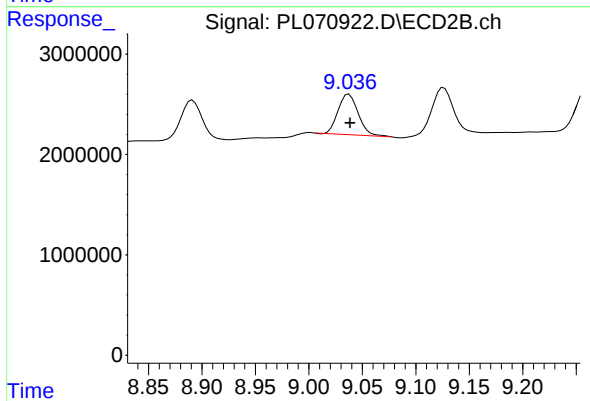
#15 Endosulfan II

R.T.: 9.125 min  
Delta R.T.: -0.002 min  
Response: 6771316  
Conc: 5.54 ng/ml m



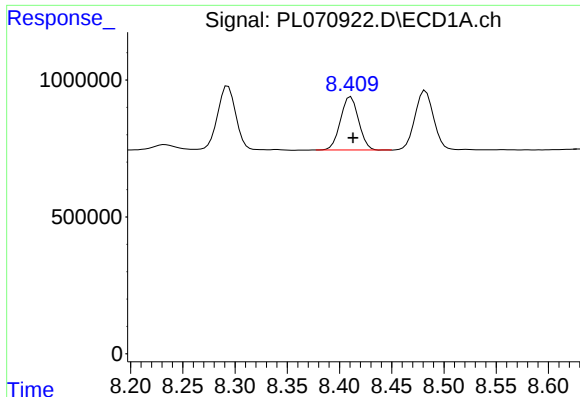
#16 4,4'-DDD

R.T.: 8.149 min  
Delta R.T.: -0.003 min  
Response: 2276274  
Conc: 4.48 ng/ml m



#16 4,4'-DDD

R.T.: 9.037 min  
Delta R.T.: -0.001 min  
Response: 5242875  
Conc: 4.36 ng/ml



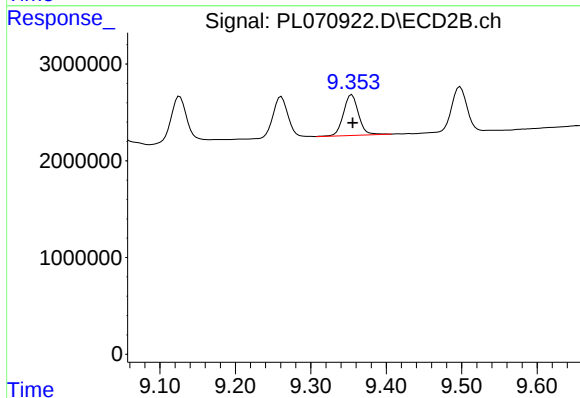
#17 4,4'-DDT

R.T.: 8.411 min  
Delta R.T.: -0.002 min  
Response: 2338905  
Conc: 4.25 ng/ml

Instrument :  
ECD\_L  
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LOQ-WATER-02-QT4-2021

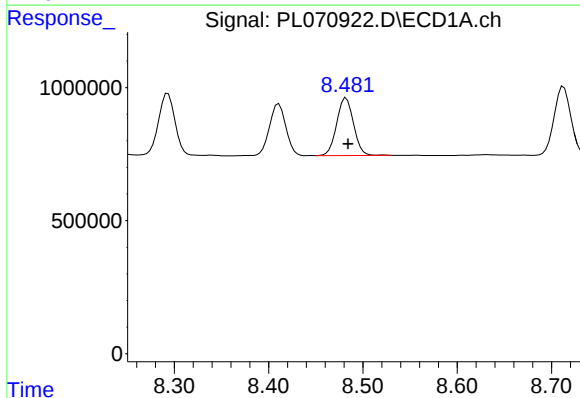
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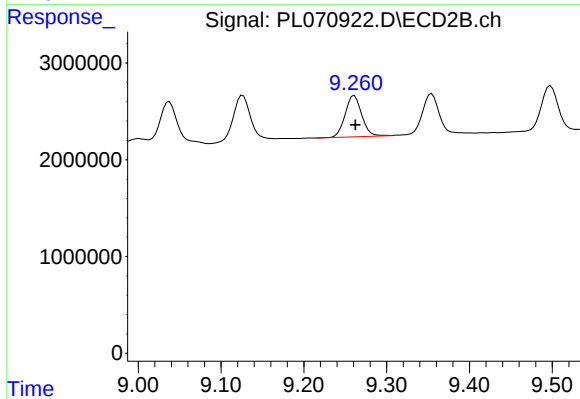
#17 4,4'-DDT

R.T.: 9.354 min  
Delta R.T.: -0.001 min  
Response: 5880913  
Conc: 4.66 ng/ml



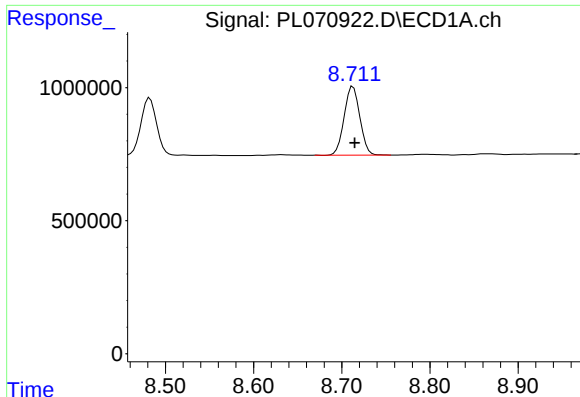
#18 Endrin aldehyde

R.T.: 8.482 min  
Delta R.T.: -0.002 min  
Response: 2687103  
Conc: 5.91 ng/ml



#18 Endrin aldehyde

R.T.: 9.261 min  
Delta R.T.: -0.001 min  
Response: 5947988  
Conc: 6.15 ng/ml



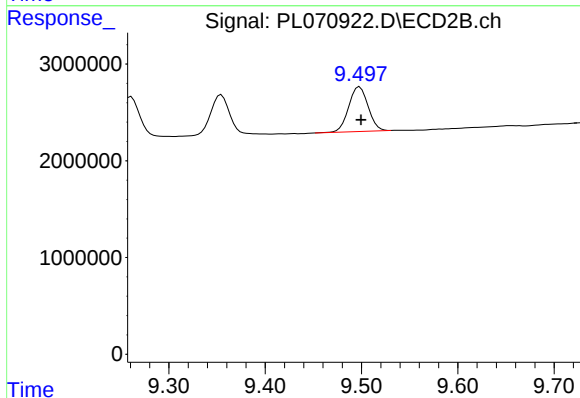
#19 Endosulfan Sulfate

R.T.: 8.713 min  
Delta R.T.: -0.002 min  
Response: 3189587  
Conc: 5.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-WATER-02-QT4-2021

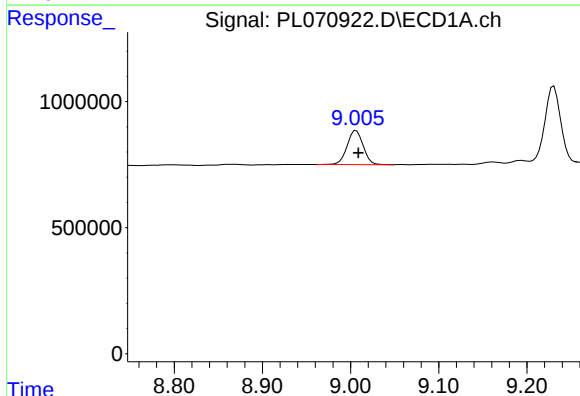
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Supervised By :mohammad ahmed 11/12/2021



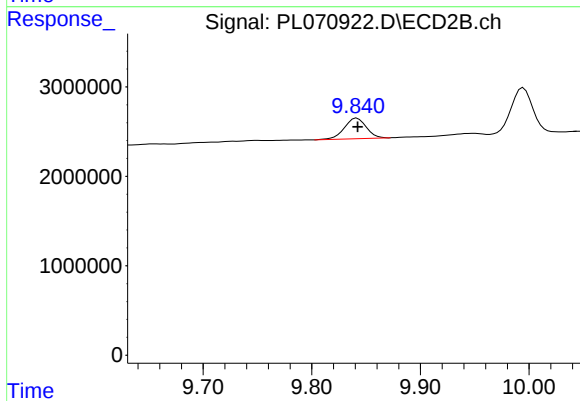
#19 Endosulfan Sulfate

R.T.: 9.498 min  
Delta R.T.: -0.001 min  
Response: 6442949  
Conc: 5.20 ng/ml



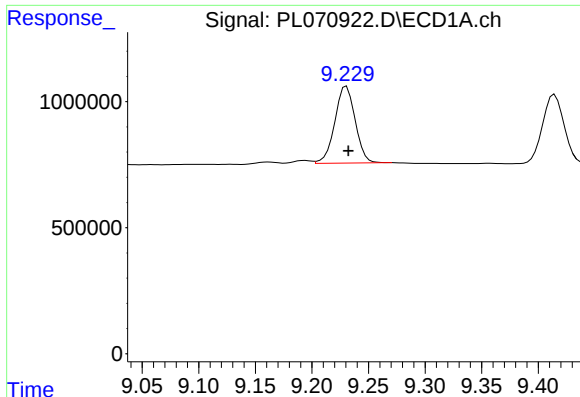
#20 Methoxychlor

R.T.: 9.006 min  
Delta R.T.: -0.002 min  
Response: 1719070  
Conc: 4.70 ng/ml



#20 Methoxychlor

R.T.: 9.842 min  
Delta R.T.: 0.000 min  
Response: 3244397  
Conc: 4.79 ng/ml



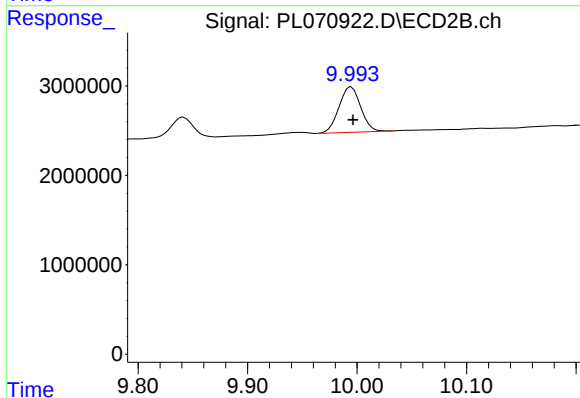
#21 Endrin ketone

R.T.: 9.231 min  
Delta R.T.: -0.002 min  
Response: 3826800  
Conc: 5.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-WATER-02-QT4-2021

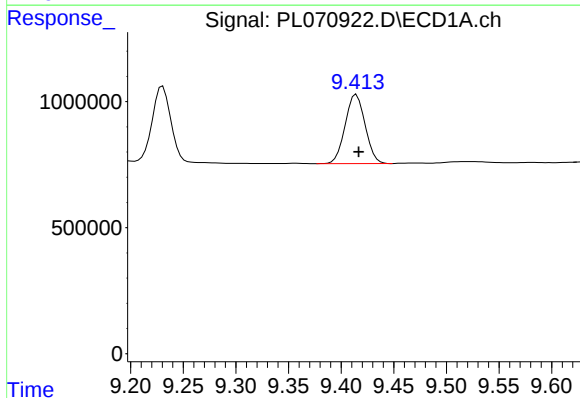
Manual Integrations  
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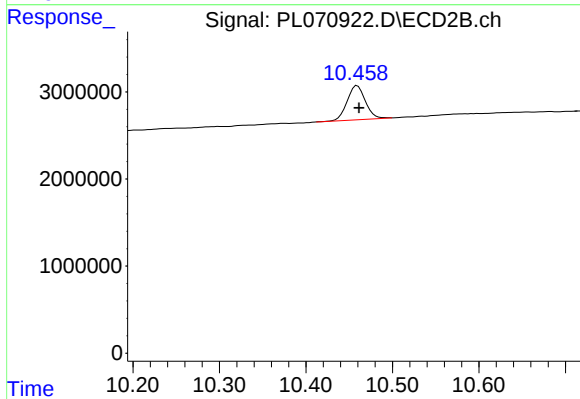
#21 Endrin ketone

R.T.: 9.995 min  
Delta R.T.: -0.001 min  
Response: 7014550  
Conc: 4.89 ng/ml



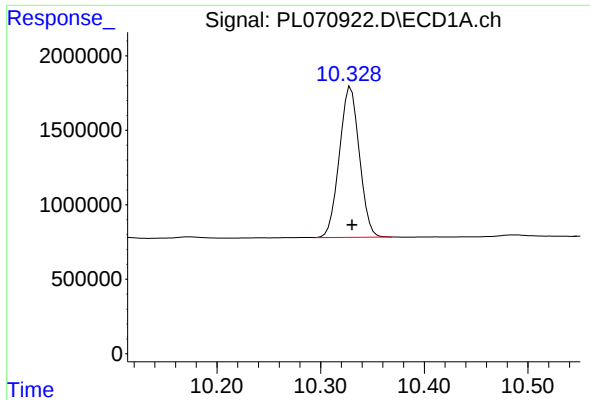
#22 Mirex

R.T.: 9.415 min  
Delta R.T.: -0.002 min  
Response: 3633865  
Conc: 5.92 ng/ml



#22 Mirex

R.T.: 10.459 min  
Delta R.T.: -0.002 min  
Response: 5827649  
Conc: 5.59 ng/ml



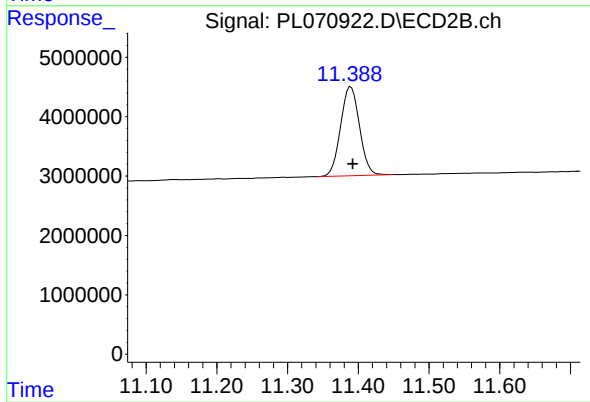
#28 Decachlorobiphenyl

R.T.: 10.329 min  
Delta R.T.: -0.001 min  
Response: 13528695  
Conc: 19.80 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-WATER-02-QT4-2021

Manual Integrations  
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#28 Decachlorobiphenyl

R.T.: 11.389 min  
Delta R.T.: -0.002 min  
Response: 27866501  
Conc: 20.84 ng/ml