

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012022\  
 Data File : PL072147.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Jan 2022 21:54  
 Operator : AR\AJ  
 Sample : SOIL IDOC 02  
 Misc : FOR HAROON MUGHAL  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 SOIL IDOC 02

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 01/21/2022  
 Supervised By : Ankita Jodhani 01/21/2022

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 21 04:23:43 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL011722.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 18 10:53:59 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... | 4.556  | 5.492  | 9950833  | 28370694 | 17.923  | 17.468   |
| 28)                         | SA Decachlor... | 10.317 | 11.385 | 17010831 | 31508270 | 19.147  | 19.528   |
| Target Compounds            |                 |        |        |          |          |         |          |
| 2)                          | A alpha-BHC     | 5.263  | 6.074  | 35666502 | 111.5E6  | 46.127  | 46.208   |
| 3)                          | MA gamma-BHC... | 5.686  | 6.470  | 35008033 | 104.9E6  | 46.428  | 46.601   |
| 4)                          | MA Heptachlor   | 6.092  | 7.116  | 39134890 | 106.0E6  | 45.364  | 45.740   |
| 5)                          | MB Aldrin       | 6.416  | 7.486  | 36767013 | 104.9E6  | 46.562  | 47.431   |
| 6)                          | B beta-BHC      | 6.071  | 6.729  | 14902625 | 45394342 | 45.083  | 45.848   |
| 7)                          | B delta-BHC     | 6.329  | 6.995  | 36342960 | 107.1E6  | 45.879  | 43.531   |
| 8)                          | B Heptachlo...  | 6.993  | 7.952  | 35518524 | 102.6E6  | 46.659  | 51.238m  |
| 9)                          | A Endosulfan I  | 7.396  | 8.358  | 33203746 | 88651112 | 46.719  | 48.977   |
| 10)                         | B gamma-Chl...  | 7.271  | 8.222  | 36375914 | 96590298 | 46.296  | 47.798m  |
| 11)                         | B alpha-Chl...  | 7.340  | 8.302  | 36345948 | 94532120 | 46.330  | 47.676m  |
| 12)                         | B 4,4'-DDE      | 7.555  | 8.494  | 34262832 | 90966790 | 47.457  | 48.099   |
| 13)                         | MA Dieldrin     | 7.681  | 8.648  | 36408474 | 93207135 | 48.057m | 47.443   |
| 14)                         | MA Endrin       | 7.973  | 8.887  | 32298279 | 78083673 | 46.097  | 47.095   |
| 15)                         | B Endosulfa...  | 8.286  | 9.123  | 33367987 | 79402647 | 44.878  | 46.301   |
| 16)                         | A 4,4'-DDD      | 8.142  | 9.034  | 29029873 | 70788186 | 49.520  | 49.510   |
| 17)                         | MA 4,4'-DDT     | 8.402  | 9.351  | 28608049 | 69259811 | 43.080  | 43.820   |
| 18)                         | B Endrin al...  | 8.475  | 9.258  | 27542054 | 63683740 | 48.341  | 51.301   |
| 19)                         | B Endosulfa...  | 8.706  | 9.495  | 33519427 | 73355975 | 45.718  | 46.988   |
| 20)                         | A Methoxychlor  | 8.998  | 9.836  | 17983941 | 62597559 | 42.627  | 75.569m# |
| 21)                         | B Endrin ke...  | 9.221  | 9.992  | 55416058 | 76114716 | 66.550m | 45.991 # |
| 22)                         | Mirex           | 9.404  | 10.455 | 35469408 | 60198014 | 48.030m | 48.244   |
| -----                       |                 |        |        |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012022\  
 Data File : PL072147.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Jan 2022 21:54  
 Operator : AR\AJ  
 Sample : SOIL IDOC 02  
 Misc : FOR HAROON MUGHAL  
 ALS Vial : 34 Sample Multiplier: 1

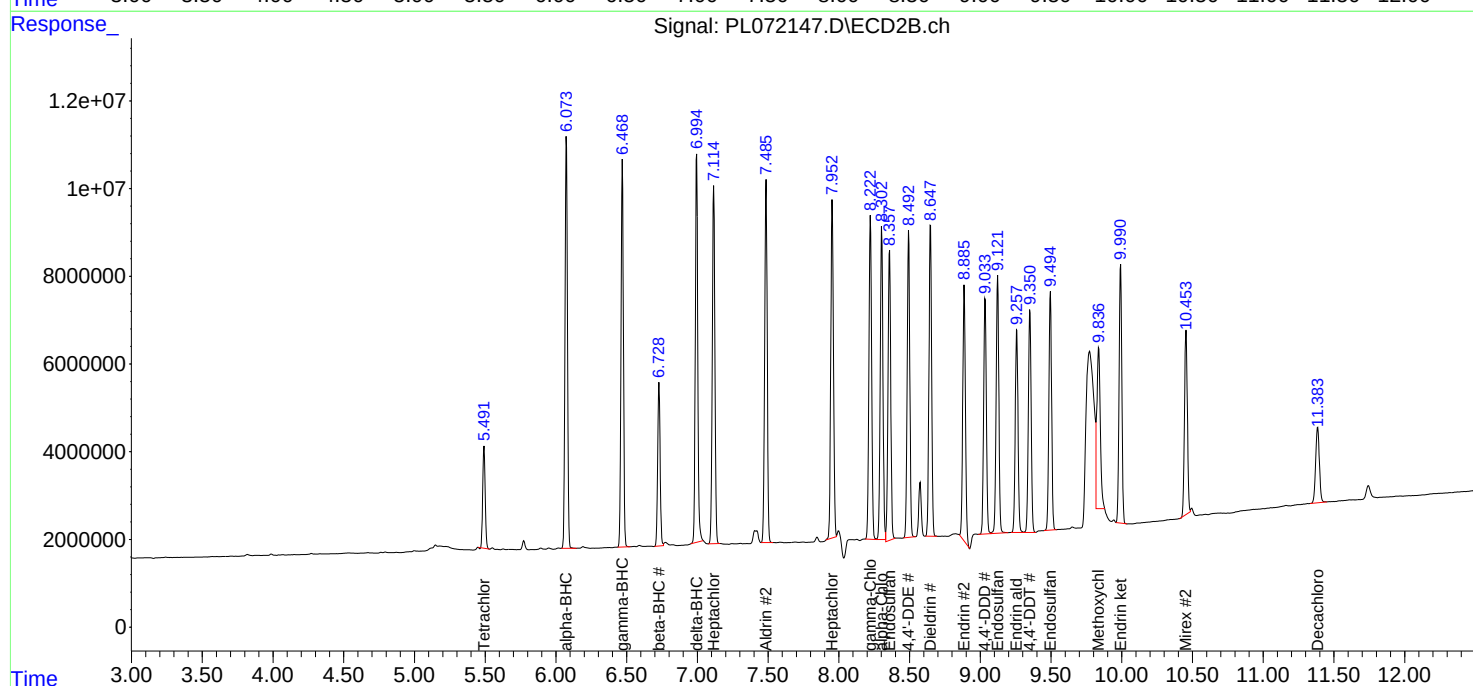
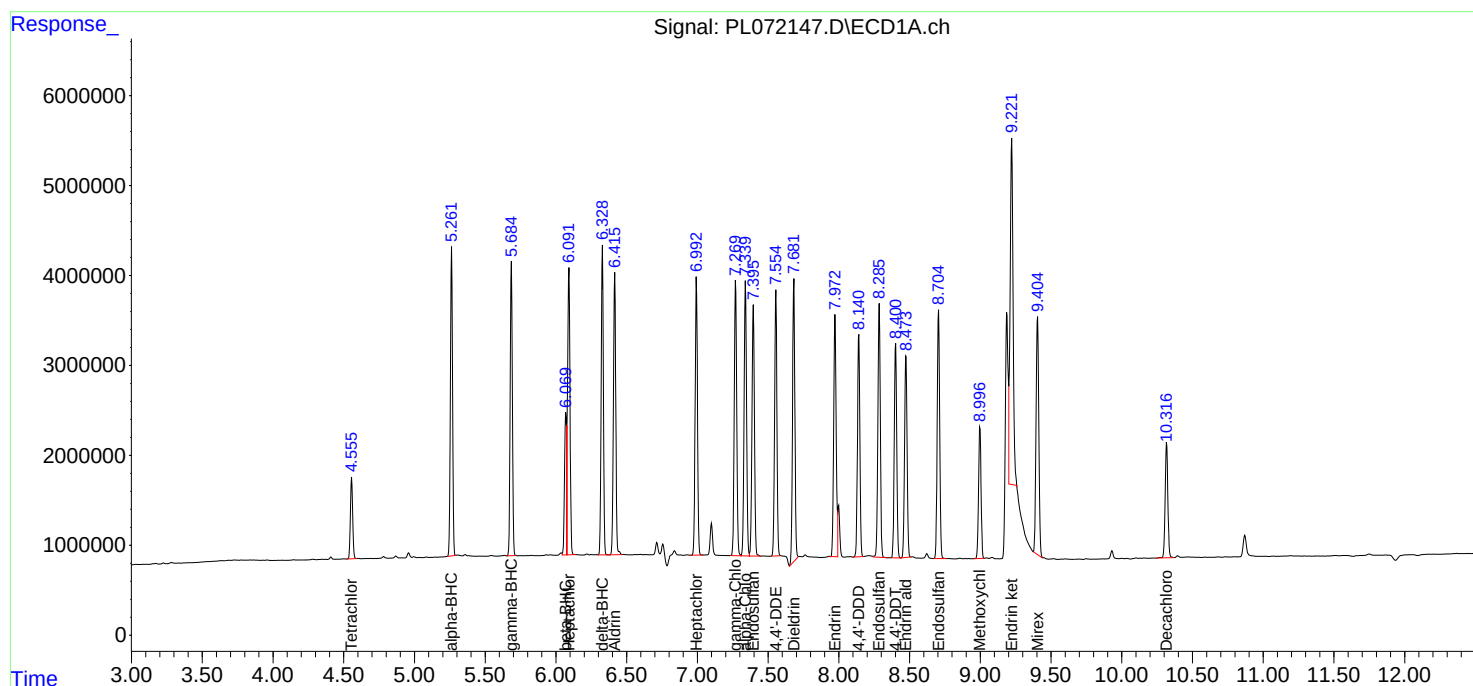
Instrument :  
 ECD\_L  
 ClientSampleId :  
 SOIL IDOC 02

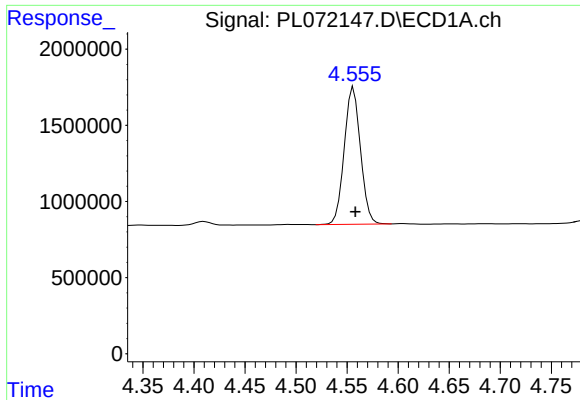
### Manual Integrations APPROVED

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 Supervised By : Ankita Jodhani 01/21/2022

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 21 04:23:43 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL011722.M  
 Quant Title : GC Extractables  
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 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





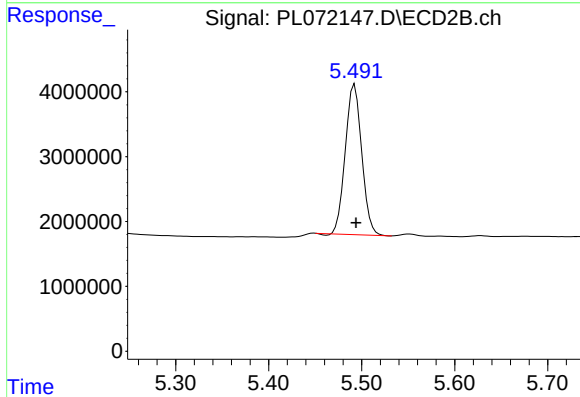
#1 Tetrachloro-m-xylene

R.T.: 4.556 min  
Delta R.T.: -0.002 min  
Response: 9950833  
Conc: 17.92 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC 02

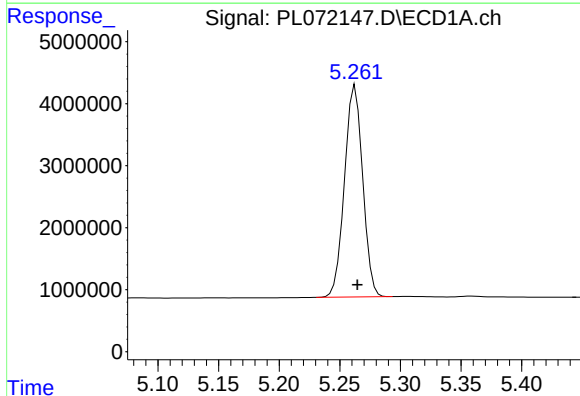
Manual Integrations  
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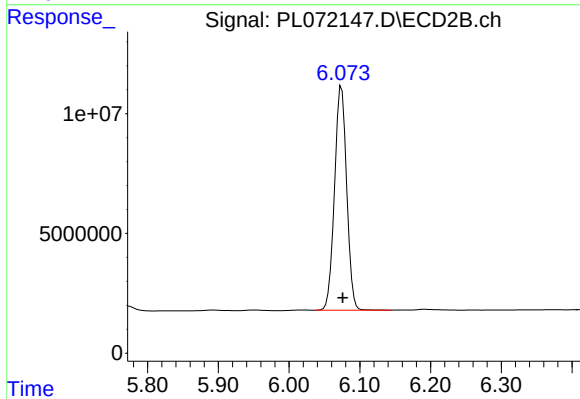
#1 Tetrachloro-m-xylene

R.T.: 5.492 min  
Delta R.T.: -0.002 min  
Response: 28370694  
Conc: 17.47 ng/ml



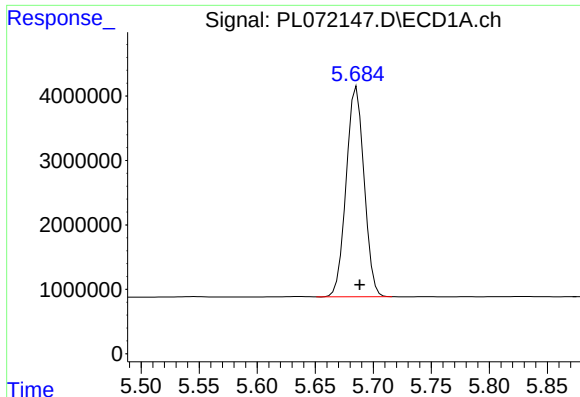
#2 alpha-BHC

R.T.: 5.263 min  
Delta R.T.: -0.002 min  
Response: 35666502  
Conc: 46.13 ng/ml



#2 alpha-BHC

R.T.: 6.074 min  
Delta R.T.: -0.002 min  
Response: 111494246  
Conc: 46.21 ng/ml



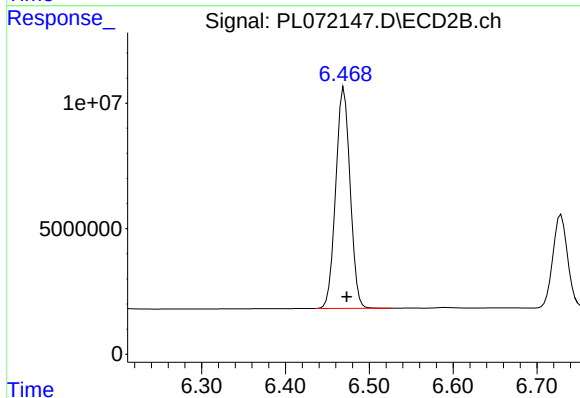
#3 gamma-BHC (Lindane)

R.T.: 5.686 min  
Delta R.T.: -0.003 min  
Response: 35008033  
Conc: 46.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC 02

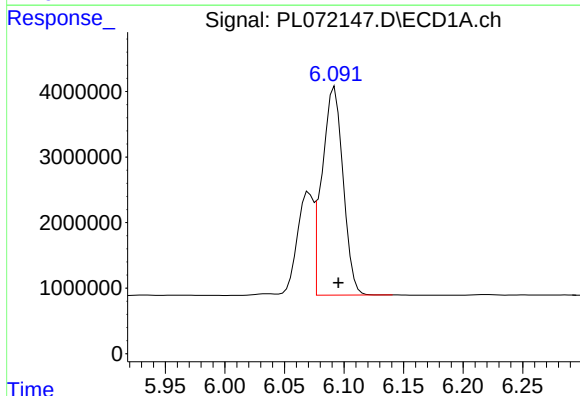
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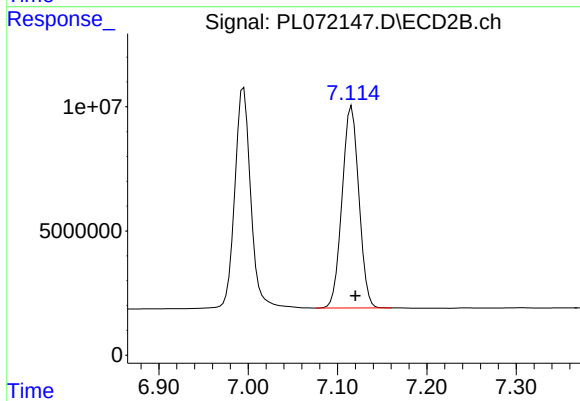
#3 gamma-BHC (Lindane)

R.T.: 6.470 min  
Delta R.T.: -0.003 min  
Response: 104866912  
Conc: 46.60 ng/ml



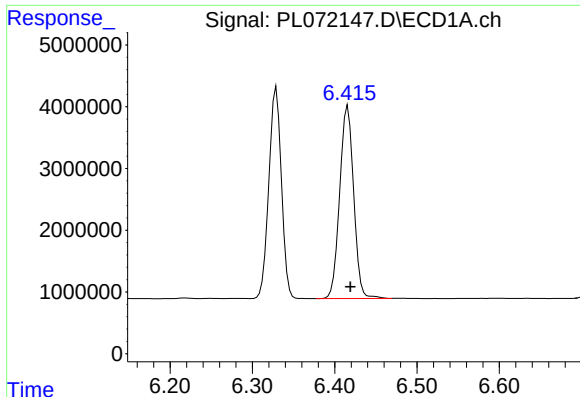
#4 Heptachlor

R.T.: 6.092 min  
Delta R.T.: -0.003 min  
Response: 39134890  
Conc: 45.36 ng/ml



#4 Heptachlor

R.T.: 7.116 min  
Delta R.T.: -0.004 min  
Response: 106047574  
Conc: 45.74 ng/ml



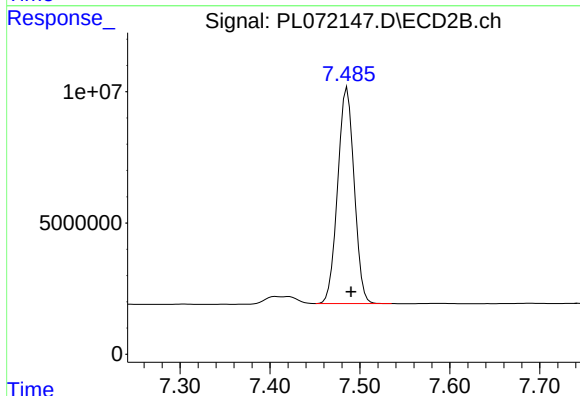
#5 Aldrin

R.T.: 6.416 min  
Delta R.T.: -0.003 min  
Response: 36767013  
Conc: 46.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC 02

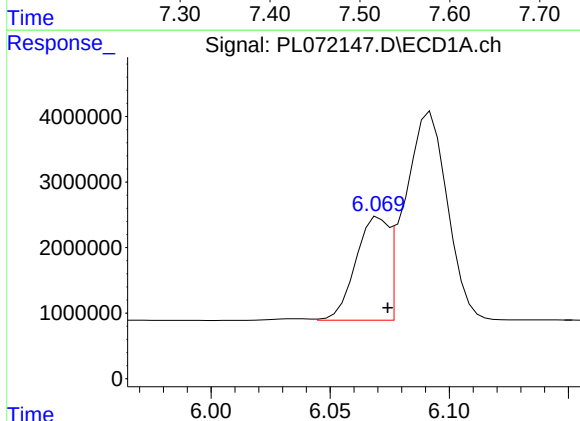
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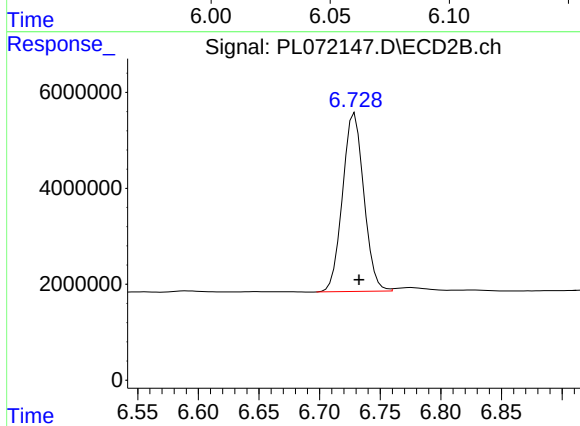
#5 Aldrin

R.T.: 7.486 min  
Delta R.T.: -0.004 min  
Response: 104880996  
Conc: 47.43 ng/ml



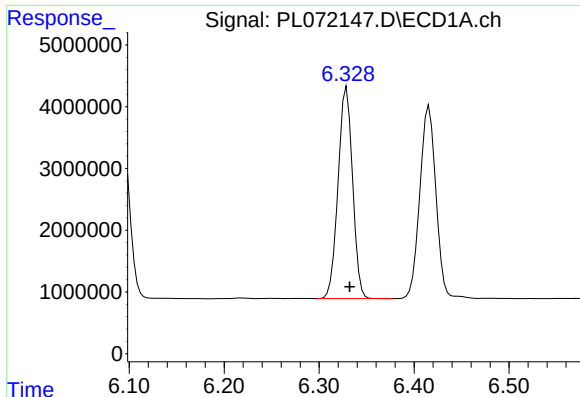
#6 beta-BHC

R.T.: 6.071 min  
Delta R.T.: -0.003 min  
Response: 14902625  
Conc: 45.08 ng/ml



#6 beta-BHC

R.T.: 6.729 min  
Delta R.T.: -0.004 min  
Response: 45394342  
Conc: 45.85 ng/ml



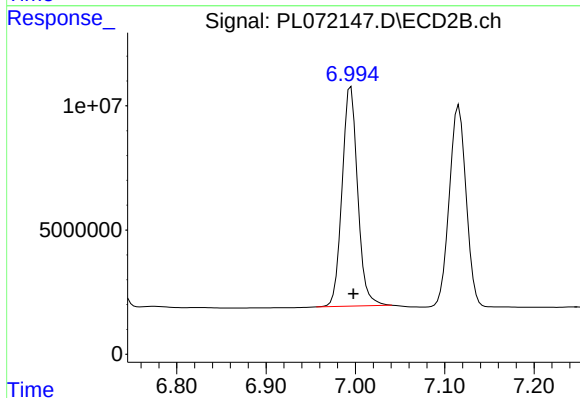
#7 delta-BHC

R.T.: 6.329 min  
Delta R.T.: -0.003 min  
Response: 36342960  
Conc: 45.88 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC 02

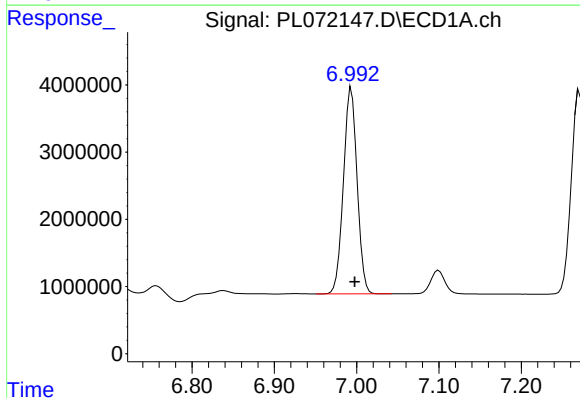
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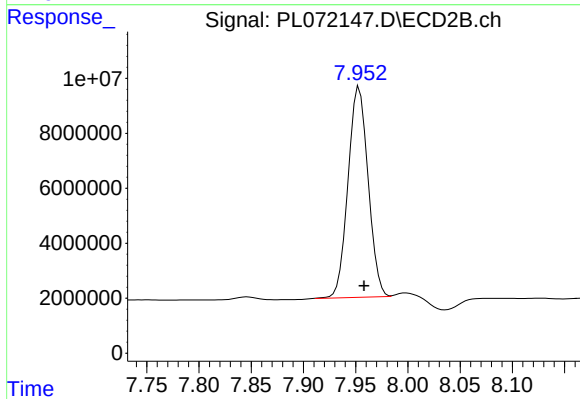
#7 delta-BHC

R.T.: 6.995 min  
Delta R.T.: -0.003 min  
Response: 107100662  
Conc: 43.53 ng/ml



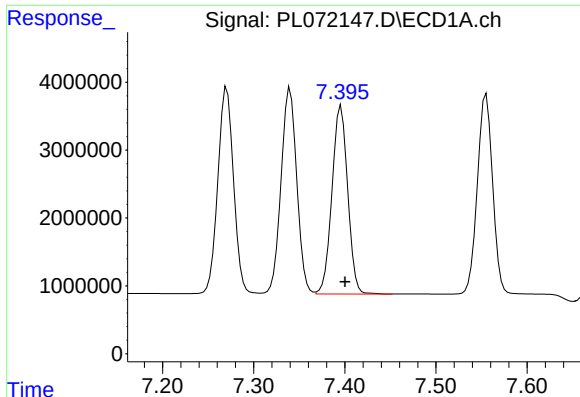
#8 Heptachlor epoxide

R.T.: 6.993 min  
Delta R.T.: -0.004 min  
Response: 35518524  
Conc: 46.66 ng/ml



#8 Heptachlor epoxide

R.T.: 7.952 min  
Delta R.T.: -0.006 min  
Response: 102592952  
Conc: 51.24 ng/ml m



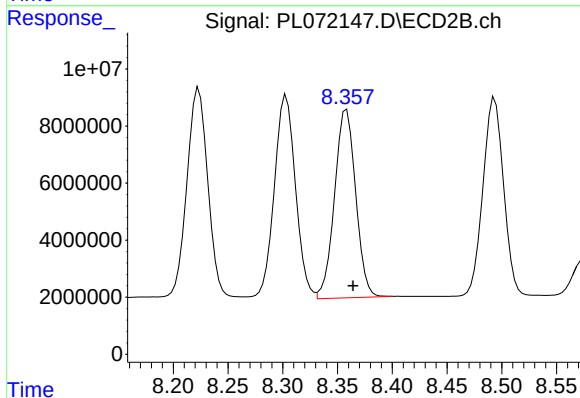
#9 Endosulfan I

R.T.: 7.396 min  
Delta R.T.: -0.004 min  
Response: 33203746  
Conc: 46.72 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC 02

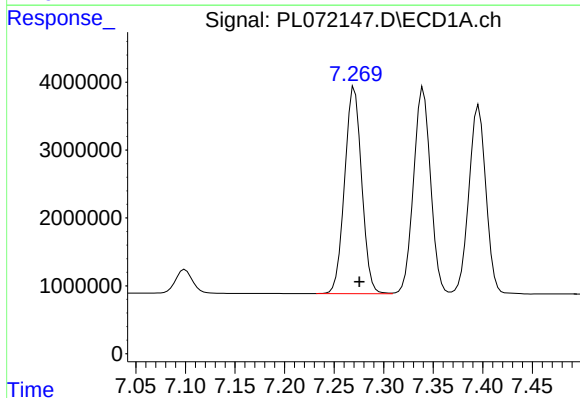
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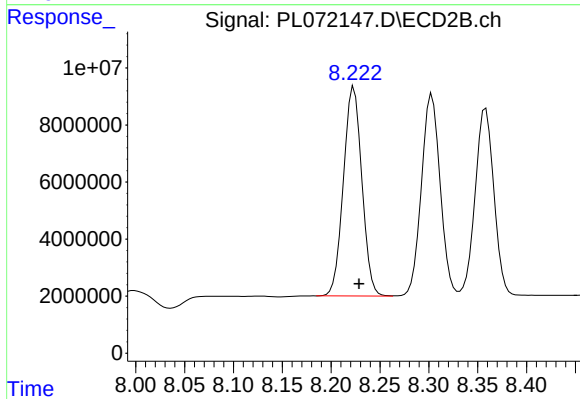
#9 Endosulfan I

R.T.: 8.358 min  
Delta R.T.: -0.006 min  
Response: 88651112  
Conc: 48.98 ng/ml



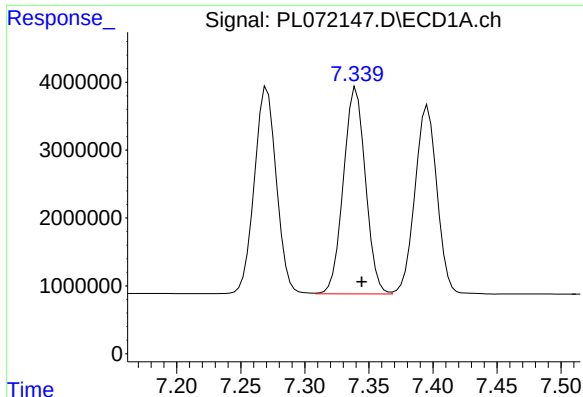
#10 gamma-Chlordane

R.T.: 7.271 min  
Delta R.T.: -0.005 min  
Response: 36375914  
Conc: 46.30 ng/ml



#10 gamma-Chlordane

R.T.: 8.222 min  
Delta R.T.: -0.007 min  
Response: 96590298  
Conc: 47.80 ng/ml m



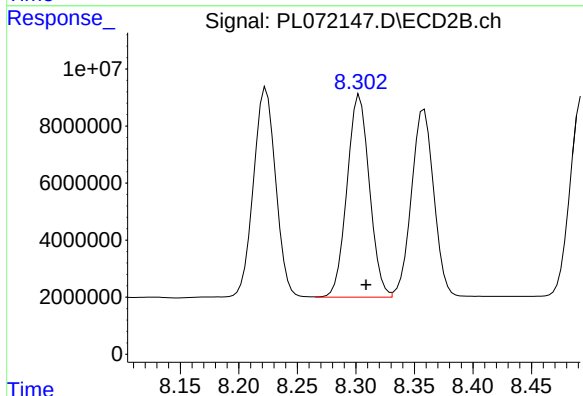
#11 alpha-Chlordane

R.T.: 7.340 min  
Delta R.T.: -0.004 min  
Response: 36345948  
Conc: 46.33 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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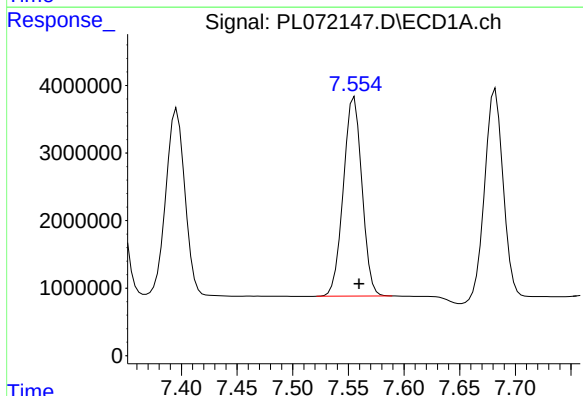
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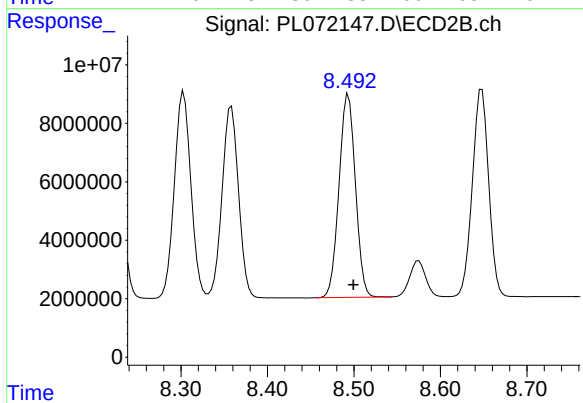
#11 alpha-Chlordane

R.T.: 8.302 min  
Delta R.T.: -0.007 min  
Response: 94532120  
Conc: 47.68 ng/ml m



#12 4,4'-DDE

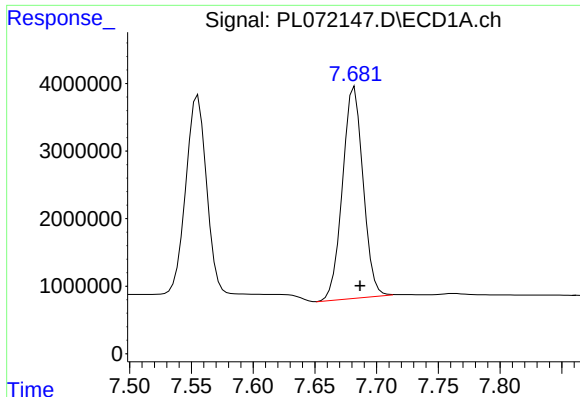
R.T.: 7.555 min  
Delta R.T.: -0.004 min  
Response: 34262832  
Conc: 47.46 ng/ml



#12 4,4'-DDE

R.T.: 8.494 min  
Delta R.T.: -0.006 min  
Response: 90966790  
Conc: 48.10 ng/ml





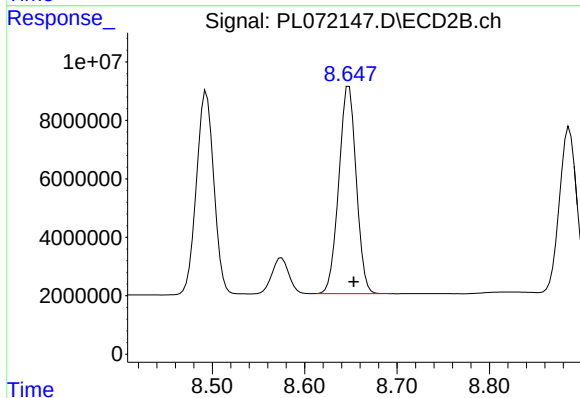
#13 Dieldrin

R.T.: 7.681 min  
Delta R.T.: -0.006 min  
Response: 36408474  
Conc: 48.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC 02

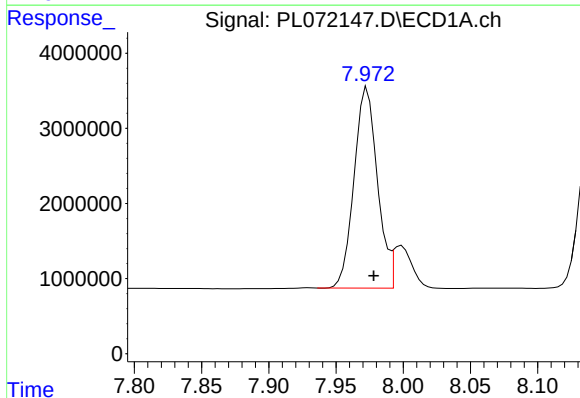
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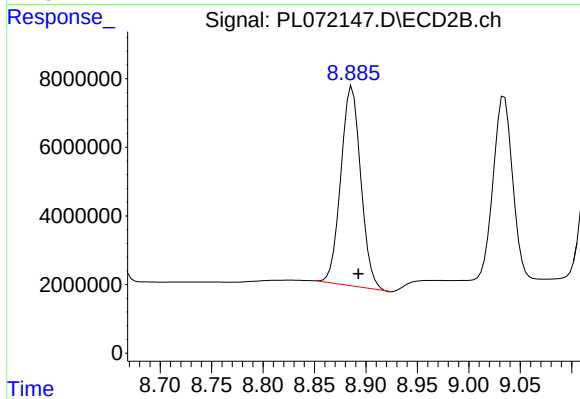
#13 Dieldrin

R.T.: 8.648 min  
Delta R.T.: -0.005 min  
Response: 93207135  
Conc: 47.44 ng/ml



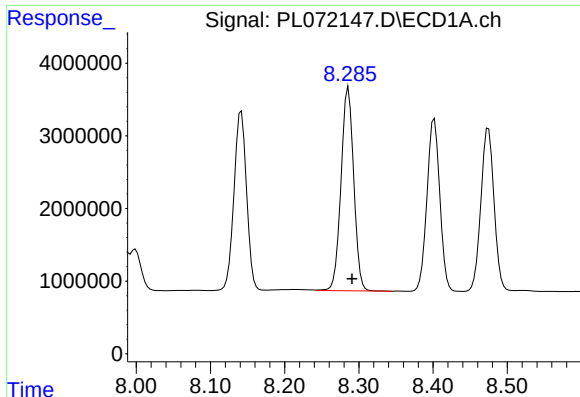
#14 Endrin

R.T.: 7.973 min  
Delta R.T.: -0.005 min  
Response: 32298279  
Conc: 46.10 ng/ml



#14 Endrin

R.T.: 8.887 min  
Delta R.T.: -0.006 min  
Response: 78083673  
Conc: 47.09 ng/ml



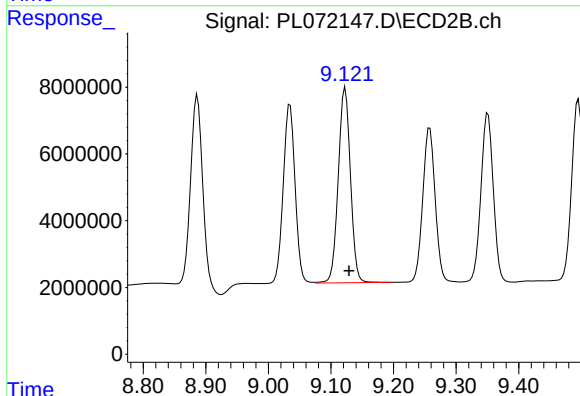
#15 Endosulfan II

R.T.: 8.286 min  
Delta R.T.: -0.005 min  
Response: 33367987  
Conc: 44.88 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC 02

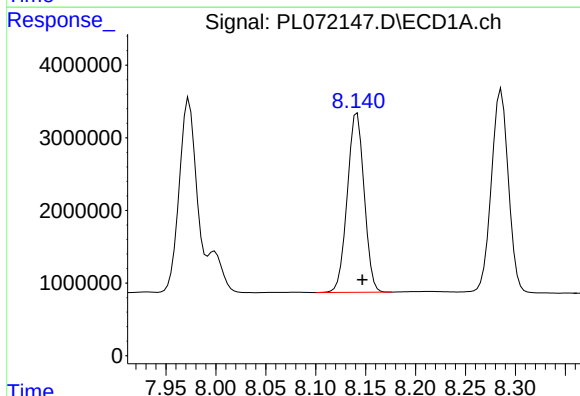
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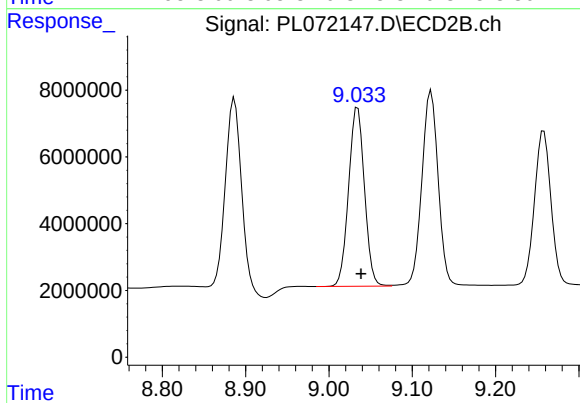
#15 Endosulfan II

R.T.: 9.123 min  
Delta R.T.: -0.006 min  
Response: 79402647  
Conc: 46.30 ng/ml



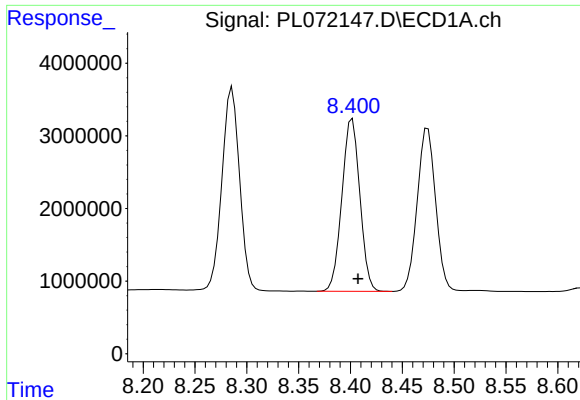
#16 4,4'-DDD

R.T.: 8.142 min  
Delta R.T.: -0.005 min  
Response: 29029873  
Conc: 49.52 ng/ml



#16 4,4'-DDD

R.T.: 9.034 min  
Delta R.T.: -0.004 min  
Response: 70788186  
Conc: 49.51 ng/ml



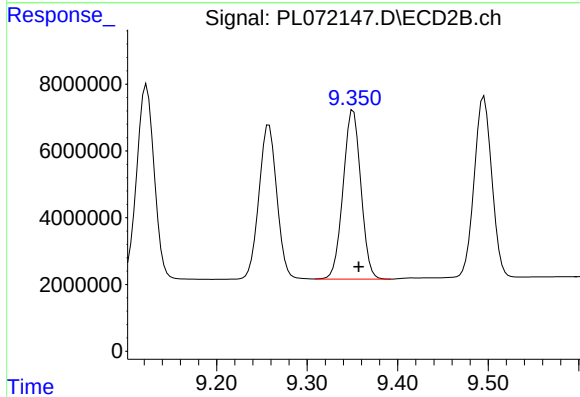
#17 4,4'-DDT

R.T.: 8.402 min  
Delta R.T.: -0.005 min  
Response: 28608049  
Conc: 43.08 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC 02

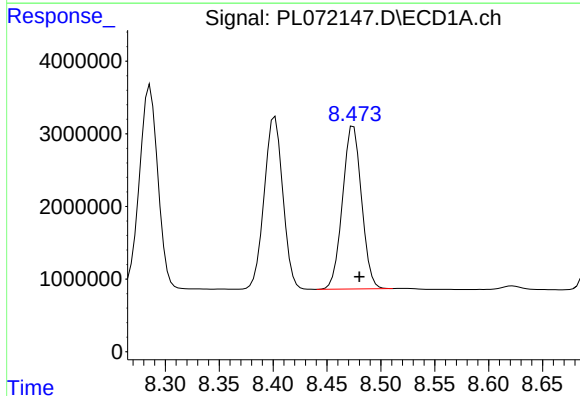
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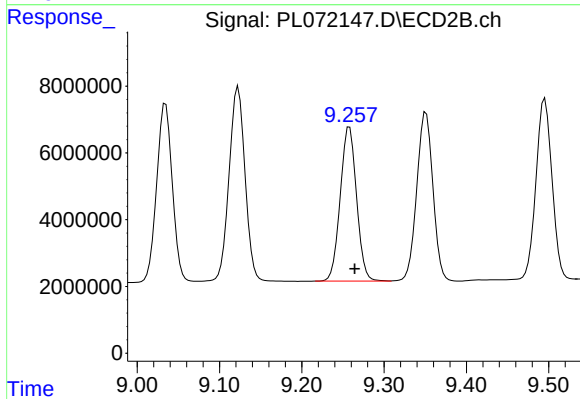
#17 4,4'-DDT

R.T.: 9.351 min  
Delta R.T.: -0.006 min  
Response: 69259811  
Conc: 43.82 ng/ml



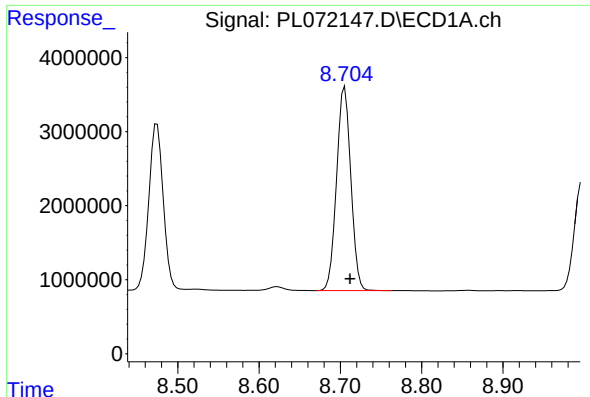
#18 Endrin aldehyde

R.T.: 8.475 min  
Delta R.T.: -0.005 min  
Response: 27542054  
Conc: 48.34 ng/ml



#18 Endrin aldehyde

R.T.: 9.258 min  
Delta R.T.: -0.006 min  
Response: 63683740  
Conc: 51.30 ng/ml



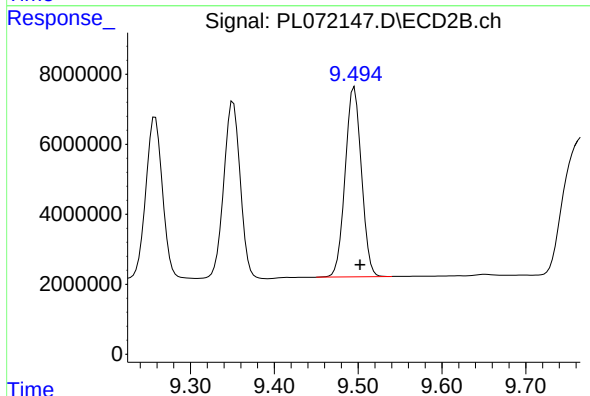
#19 Endosulfan Sulfate

R.T.: 8.706 min  
Delta R.T.: -0.006 min  
Response: 33519427  
Conc: 45.72 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC 02

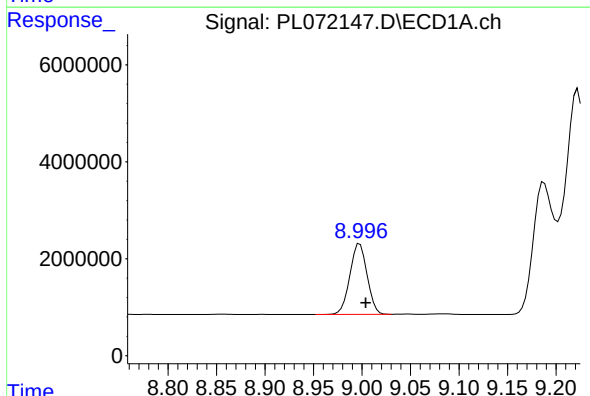
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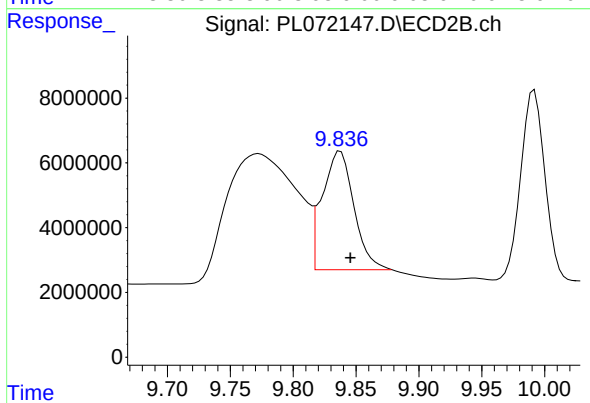
#19 Endosulfan Sulfate

R.T.: 9.495 min  
Delta R.T.: -0.007 min  
Response: 73355975  
Conc: 46.99 ng/ml



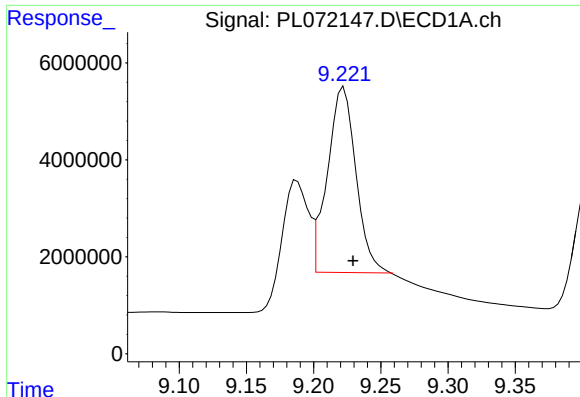
#20 Methoxychlor

R.T.: 8.998 min  
Delta R.T.: -0.006 min  
Response: 17983941  
Conc: 42.63 ng/ml



#20 Methoxychlor

R.T.: 9.836 min  
Delta R.T.: -0.009 min  
Response: 62597559  
Conc: 75.57 ng/ml m



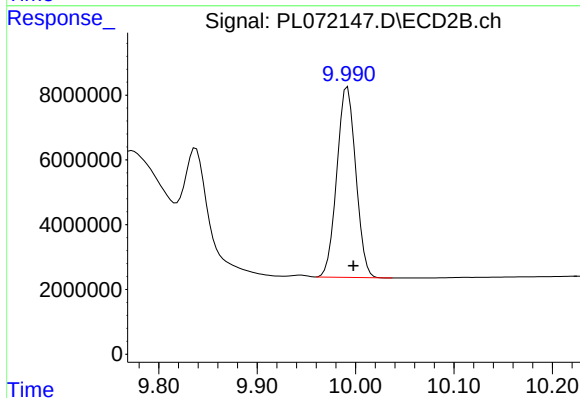
#21 Endrin ketone

R.T.: 9.221 min  
Delta R.T.: -0.008 min  
Response: 55416058  
Conc: 66.55 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC 02

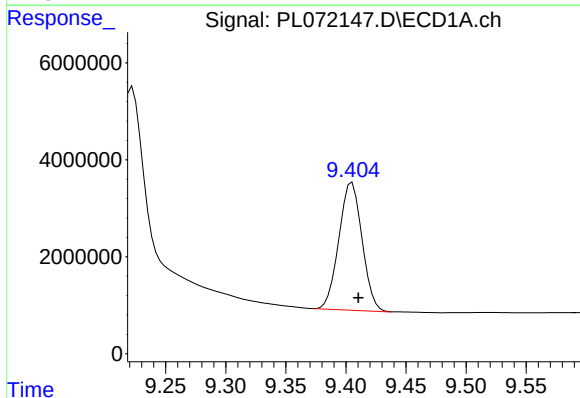
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 01/21/2022  
Supervised By :Ankita Jodhani 01/21/2022



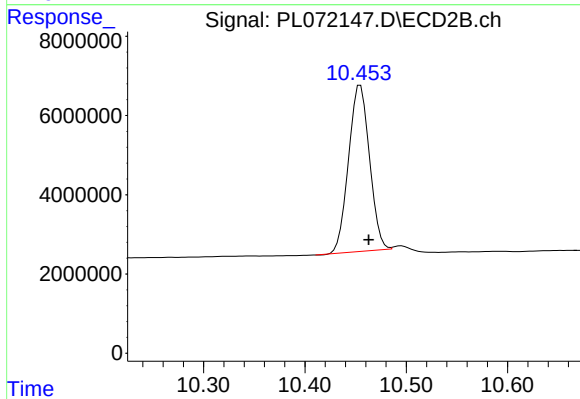
#21 Endrin ketone

R.T.: 9.992 min  
Delta R.T.: -0.006 min  
Response: 76114716  
Conc: 45.99 ng/ml



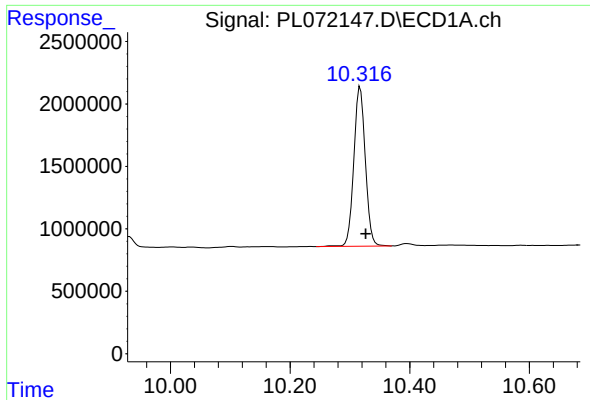
#22 Mirex

R.T.: 9.404 min  
Delta R.T.: -0.007 min  
Response: 35469408  
Conc: 48.03 ng/ml m



#22 Mirex

R.T.: 10.455 min  
Delta R.T.: -0.008 min  
Response: 60198014  
Conc: 48.24 ng/ml



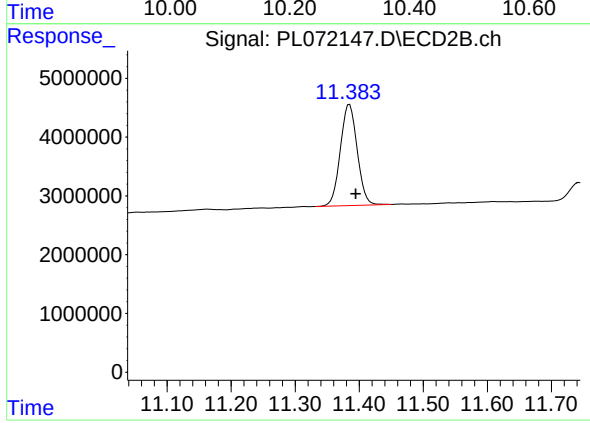
#28 Decachlorobiphenyl

R.T.: 10.317 min  
Delta R.T.: -0.009 min  
Response: 17010831  
Conc: 19.15 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC 02

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 01/21/2022  
Supervised By :Ankita Jodhani 01/21/2022



#28 Decachlorobiphenyl

R.T.: 11.385 min  
Delta R.T.: -0.010 min  
Response: 31508270  
Conc: 19.53 ng/ml