

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL050223\  
 Data File : PL082442.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 02 May 2023 16:03  
 Operator : AR\AJ  
 Sample : 02500-21DL 5X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PT-PEST-SOILDL

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 05/04/2023  
 Supervised By :Ankita Jodhani 05/04/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 03 01:50:39 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL042023.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Apr 21 03:12:31 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...          | 3.326 | 2.644 | 10785468 | 7703305  | 4.038   | 3.325    |
| 28) SA Decachlor...         | 8.751 | 7.760 | 6699235  | 8027530  | 3.509   | 3.517    |
| Target Compounds            |       |       |          |          |         |          |
| 2) A alpha-BHC              | 3.777 | 3.141 | 757.6E6  | 612.5E6  | 190.335 | 179.966  |
| 3) MA gamma-BHC...          | 4.105 | 3.469 | 773.4E6  | 641.2E6  | 206.848 | 199.430  |
| 4) MA Heptachlor            | 4.684 | 3.800 | 131.4E6  | 112.5E6  | 35.960  | 32.853   |
| 5) MB Aldrin                | 5.021 | 4.078 | 638.9E6  | 583.7E6  | 193.755 | 185.315  |
| 6) B beta-BHC               | 4.309 | 3.768 | 304.1E6  | 255.3E6  | 178.283 | 187.100m |
| 7) B delta-BHC              | 4.550 | 3.995 | 296.0E6  | 244.9E6  | 82.286  | 79.835   |
| 8) B Heptachlo...           | 5.448 | 4.580 | 513.2E6  | 472.4E6  | 168.254 | 163.972  |
| 9) A Endosulfan I           | 5.828 | 4.947 | 67873499 | 61802438 | 24.479  | 23.152   |
| 10) B gamma-Chl...          | 5.702 | 4.828 | 351.1E6  | 323.4E6  | 116.763 | 111.448  |
| 11) B alpha-Chl...          | 5.781 | 4.891 | 146.1E6  | 134.6E6  | 48.961  | 46.360   |
| 12) B 4,4'-DDE              | 5.959 | 5.083 | 464.4E6  | 417.7E6  | 182.695 | 181.707  |
| 13) MA Dieldrin             | 6.103 | 5.211 | 433.7E6  | 411.2E6  | 157.170 | 152.290  |
| 14) MA Endrin               | 6.330 | 5.486 | 203.2E6  | 191.2E6  | 83.812  | 78.185   |
| 15) B Endosulfa...          | 6.553 | 5.783 | 114.7E6  | 108.2E6  | 47.130  | 47.999   |
| 16) A 4,4'-DDD              | 6.475 | 5.637 | 266.7E6  | 240.4E6  | 131.542 | 128.507  |
| 17) MA 4,4'-DDT             | 6.784 | 5.886 | 122.9E6  | 99214762 | 53.706m | 46.964   |
| 18) B Endrin al...          | 6.683 | 5.963 | 178.4E6  | 167.8E6  | 94.705  | 89.667   |
| 19) B Endosulfa...          | 6.917 | 6.187 | 324.8E6  | 308.1E6  | 136.978 | 130.888  |
| 20) A Methoxychlor          | 7.267 | 6.467 | 68805214 | 66741253 | 56.382  | 55.075   |
| 21) B Endrin ke...          | 7.397 | 6.692 | 279.6E6  | 284.4E6  | 116.757 | 112.039  |
| -----                       |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL050223\  
 Data File : PL082442.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 02 May 2023 16:03  
 Operator : AR\AJ  
 Sample : 02500-21DL 5X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

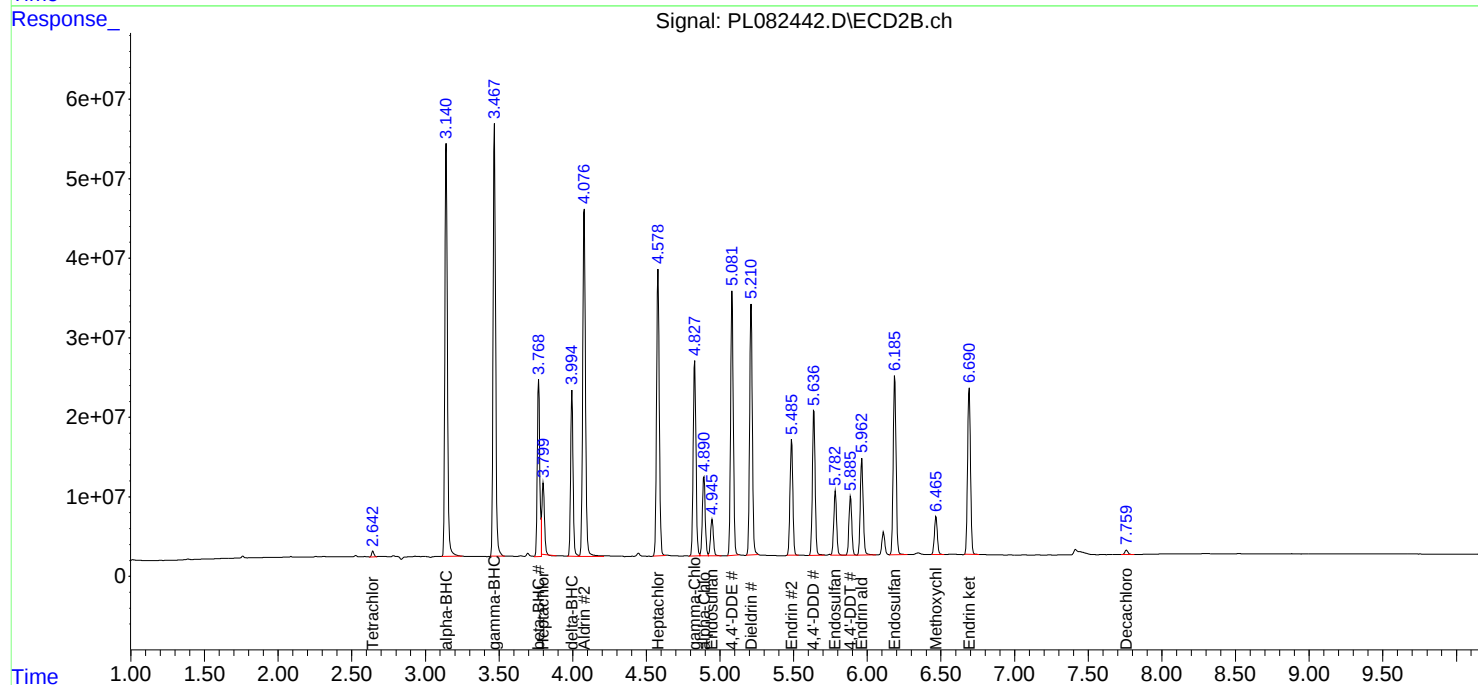
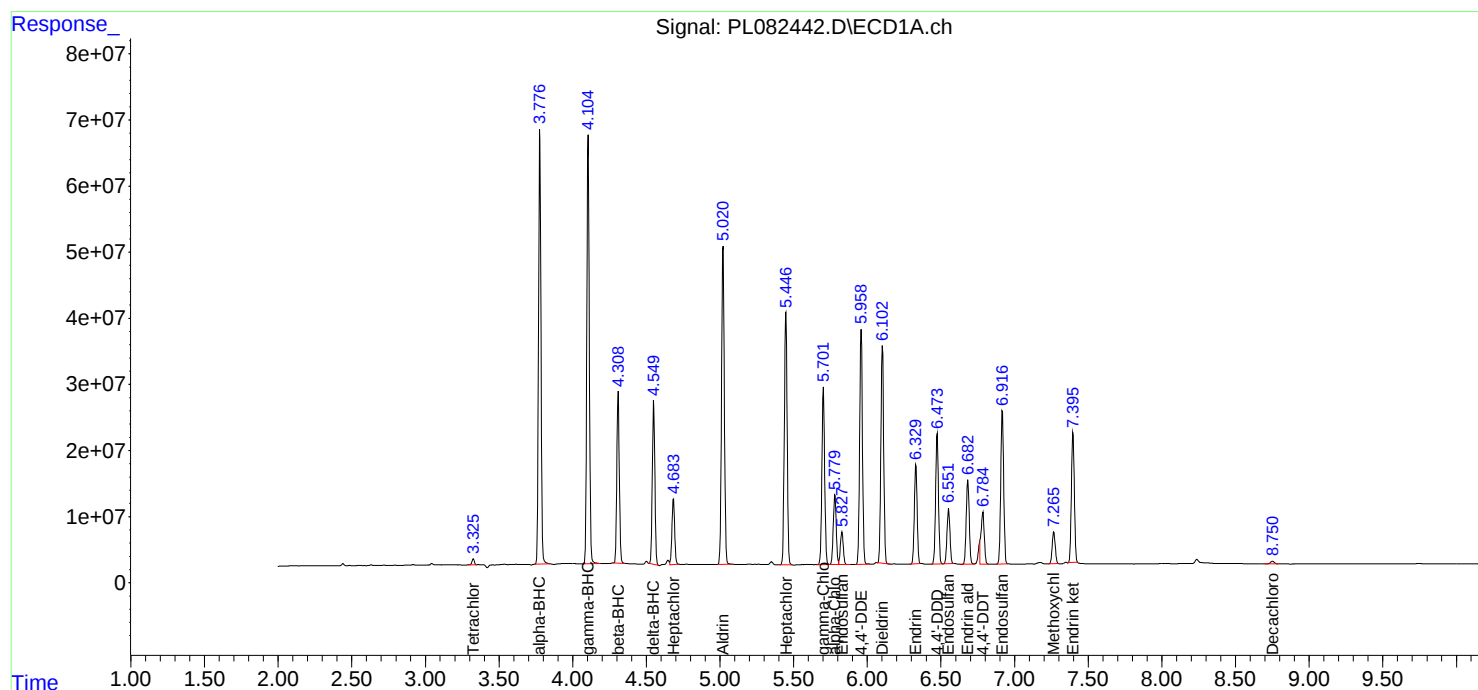
Instrument :  
 ECD\_L  
 ClientSampleId :  
 PT-PEST-SOILD

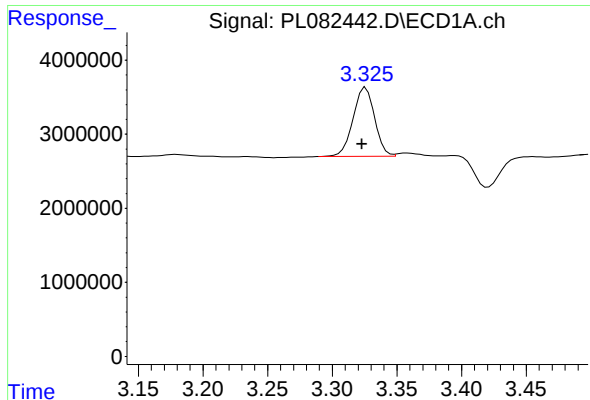
### Manual Integrations APPROVED

Reviewed By : Abdul Mirza 05/04/2023  
 Supervised By : Ankita Jodhani 05/04/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
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 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL042023.M  
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Volume Inj. : 1 µl  
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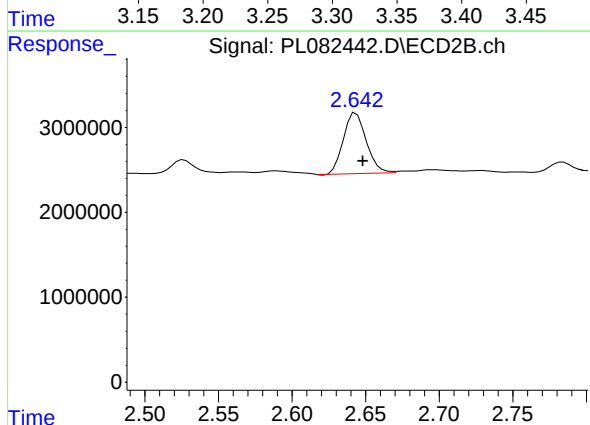
#1 Tetrachloro-m-xylene

R.T.: 3.326 min  
Delta R.T.: 0.003 min  
Response: 10785468  
Conc: 4.04 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-SOILDL

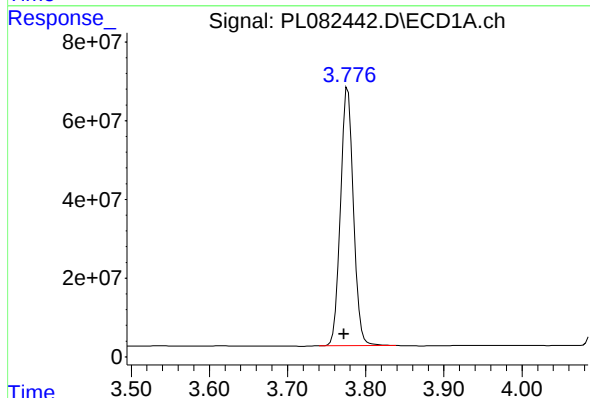
Manual Integrations  
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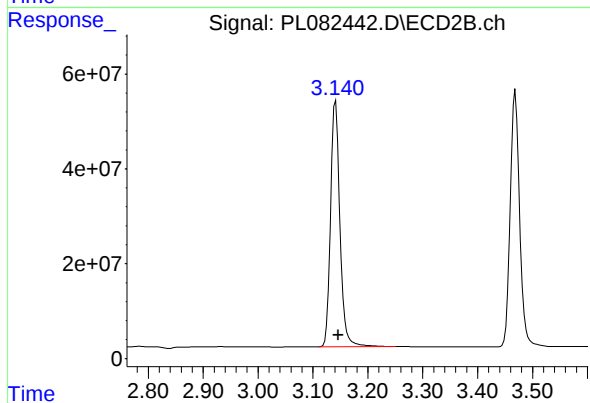
#1 Tetrachloro-m-xylene

R.T.: 2.644 min  
Delta R.T.: -0.005 min  
Response: 7703305  
Conc: 3.33 ng/ml



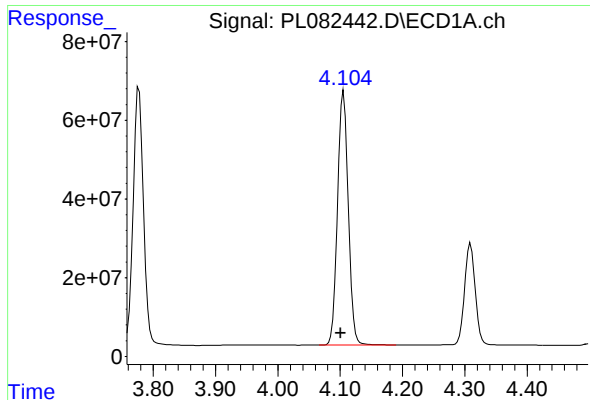
#2 alpha-BHC

R.T.: 3.777 min  
Delta R.T.: 0.005 min  
Response: 757580981  
Conc: 190.34 ng/ml



#2 alpha-BHC

R.T.: 3.141 min  
Delta R.T.: -0.005 min  
Response: 612510908  
Conc: 179.97 ng/ml



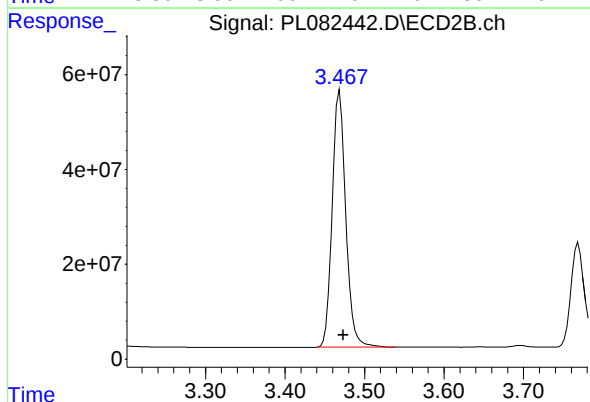
#3 gamma-BHC (Lindane)

R.T.: 4.105 min  
Delta R.T.: 0.005 min  
Response: 773392075  
Conc: 206.85 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-SOILDL

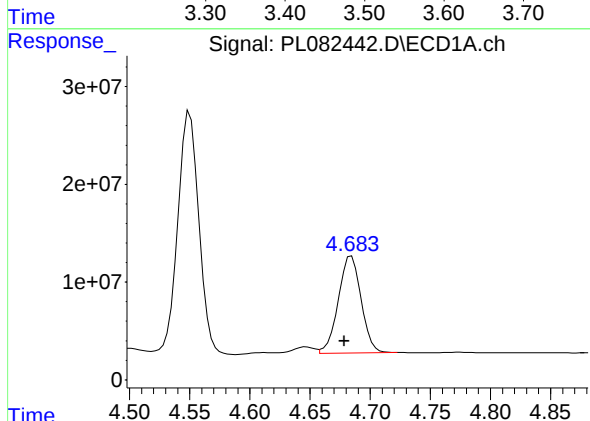
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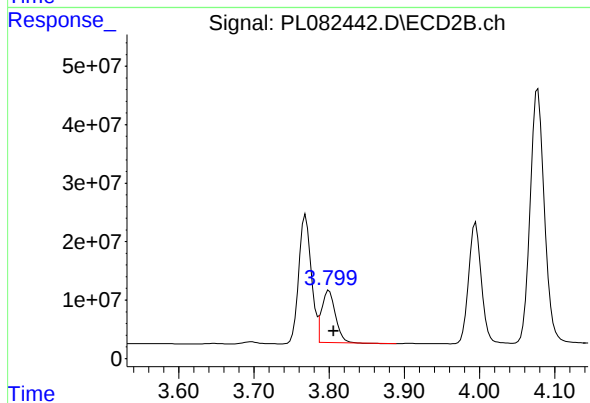
#3 gamma-BHC (Lindane)

R.T.: 3.469 min  
Delta R.T.: -0.005 min  
Response: 641222696  
Conc: 199.43 ng/ml



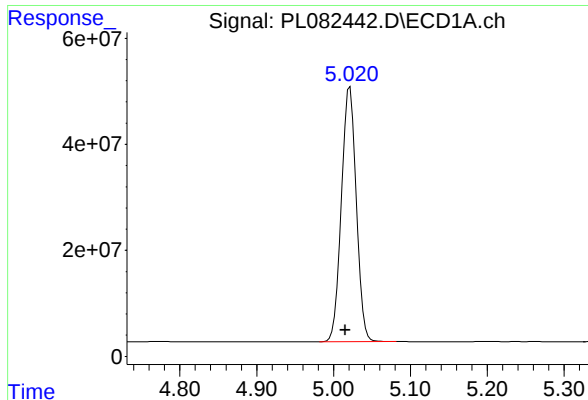
#4 Heptachlor

R.T.: 4.684 min  
Delta R.T.: 0.006 min  
Response: 131395874  
Conc: 35.96 ng/ml



#4 Heptachlor

R.T.: 3.800 min  
Delta R.T.: -0.006 min  
Response: 112464436  
Conc: 32.85 ng/ml



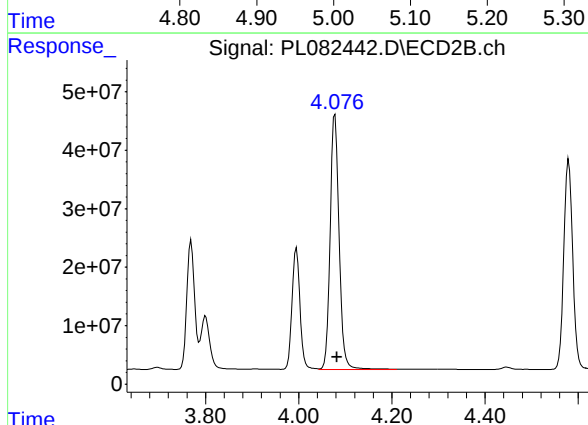
#5 Aldrin

R.T.: 5.021 min  
Delta R.T.: 0.006 min  
Response: 638923726  
Conc: 193.76 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-SOILD

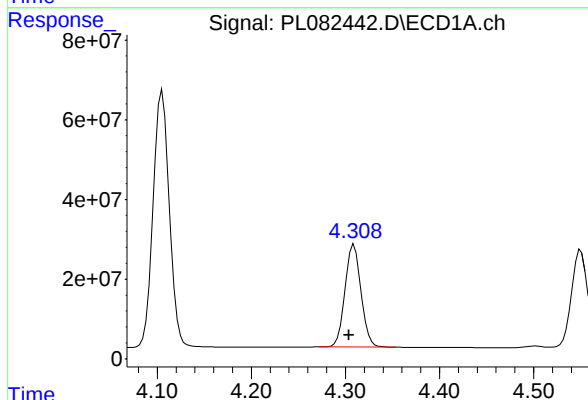
Manual Integrations  
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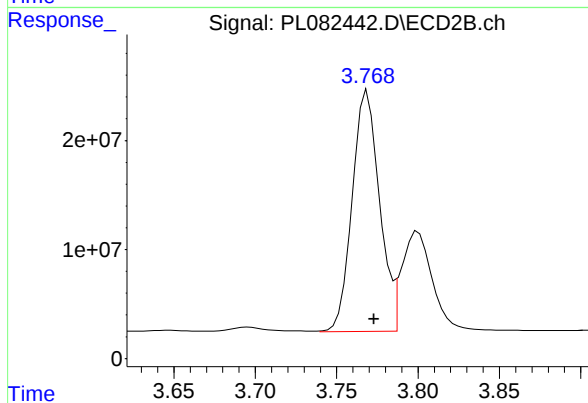
#5 Aldrin

R.T.: 4.078 min  
Delta R.T.: -0.004 min  
Response: 583716431  
Conc: 185.32 ng/ml



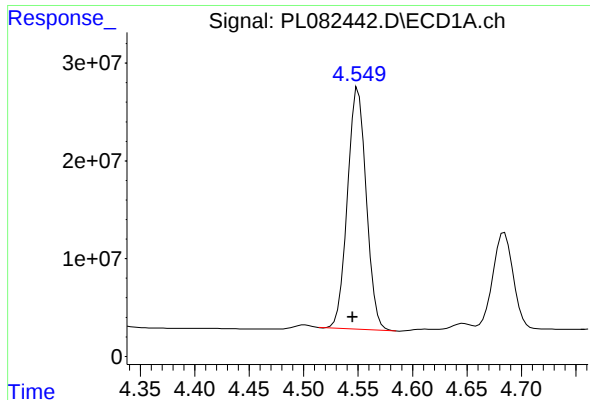
#6 beta-BHC

R.T.: 4.309 min  
Delta R.T.: 0.005 min  
Response: 304060958  
Conc: 178.28 ng/ml



#6 beta-BHC

R.T.: 3.768 min  
Delta R.T.: -0.005 min  
Response: 255278965  
Conc: 187.10 ng/ml m



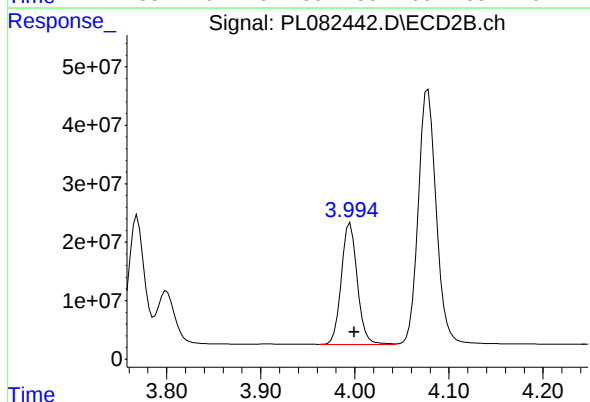
#7 delta-BHC

R.T.: 4.550 min  
Delta R.T.: 0.005 min  
Response: 296048211  
Conc: 82.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-SOILD

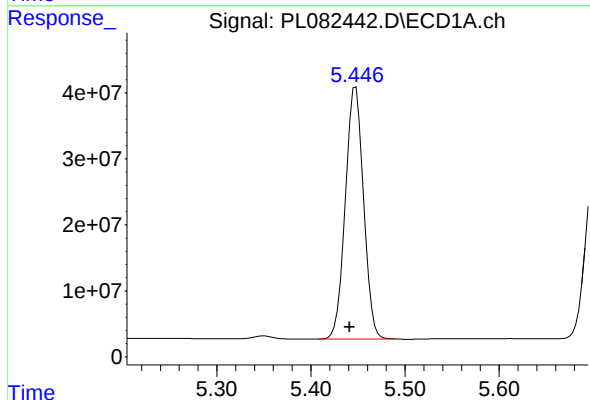
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Reviewed By :Abdul Mirza 05/04/2023  
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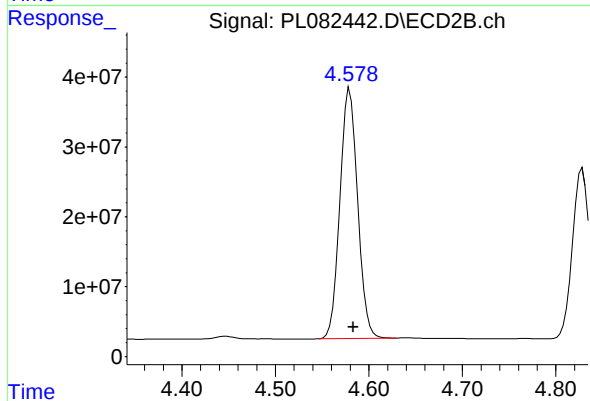
#7 delta-BHC

R.T.: 3.995 min  
Delta R.T.: -0.004 min  
Response: 244884824  
Conc: 79.83 ng/ml



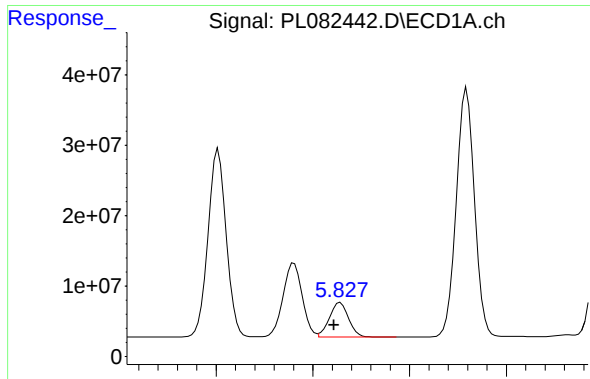
#8 Heptachlor epoxide

R.T.: 5.448 min  
Delta R.T.: 0.006 min  
Response: 513233334  
Conc: 168.25 ng/ml



#8 Heptachlor epoxide

R.T.: 4.580 min  
Delta R.T.: -0.004 min  
Response: 472385541  
Conc: 163.97 ng/ml



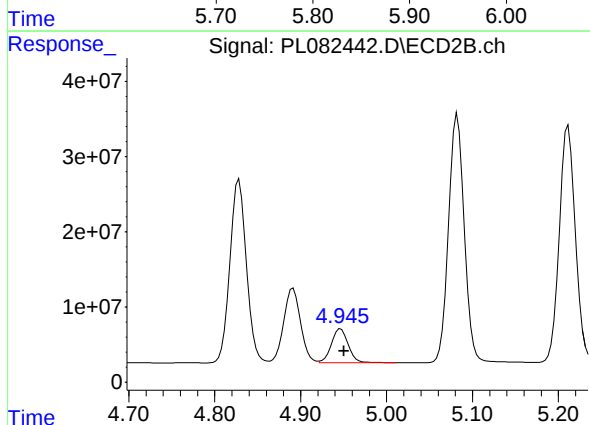
#9 Endosulfan I

R.T.: 5.828 min  
Delta R.T.: 0.006 min  
Response: 67873499  
Conc: 24.48 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-SOILD

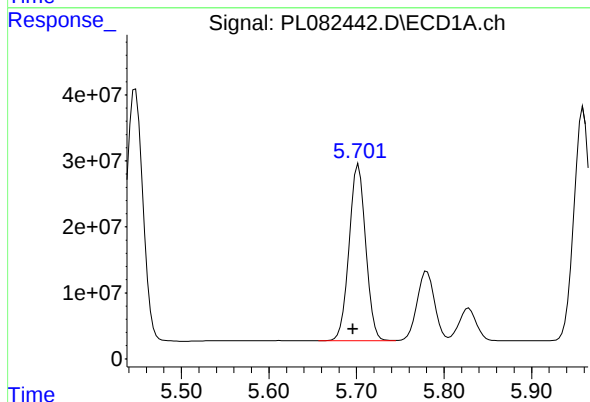
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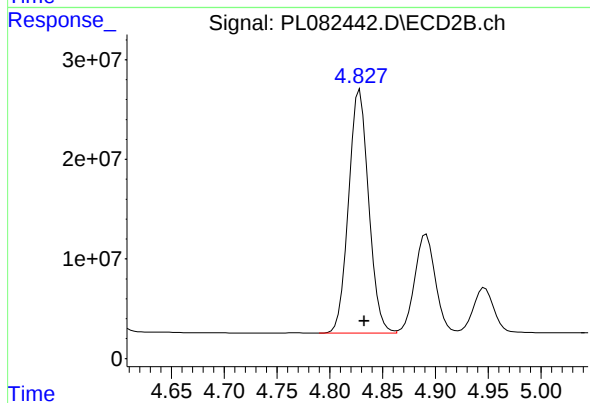
#9 Endosulfan I

R.T.: 4.947 min  
Delta R.T.: -0.004 min  
Response: 61802438  
Conc: 23.15 ng/ml



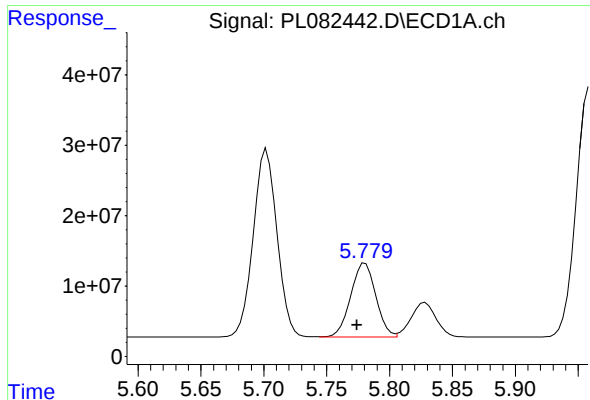
#10 gamma-Chlordane

R.T.: 5.702 min  
Delta R.T.: 0.006 min  
Response: 351091914  
Conc: 116.76 ng/ml



#10 gamma-Chlordane

R.T.: 4.828 min  
Delta R.T.: -0.004 min  
Response: 323405197  
Conc: 111.45 ng/ml



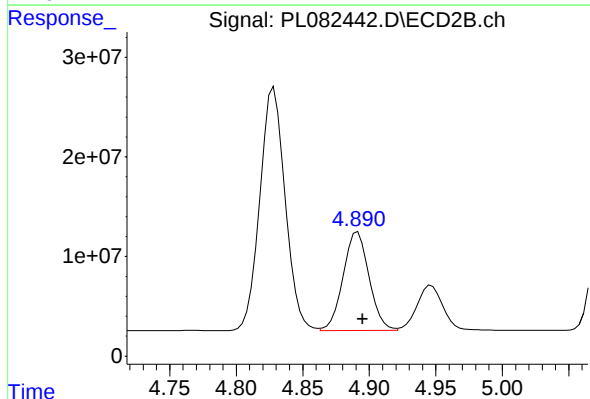
#11 alpha-Chlordane

R.T.: 5.781 min  
Delta R.T.: 0.007 min  
Response: 146128079  
Conc: 48.96 ng/ml

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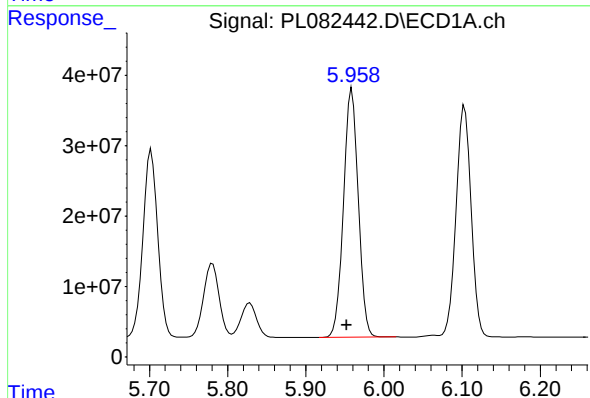
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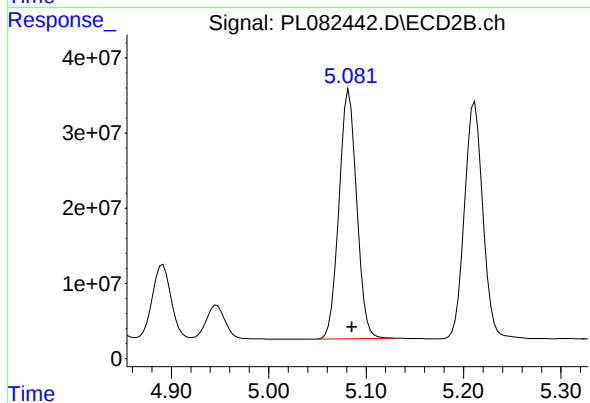
#11 alpha-Chlordane

R.T.: 4.891 min  
Delta R.T.: -0.004 min  
Response: 134575061  
Conc: 46.36 ng/ml



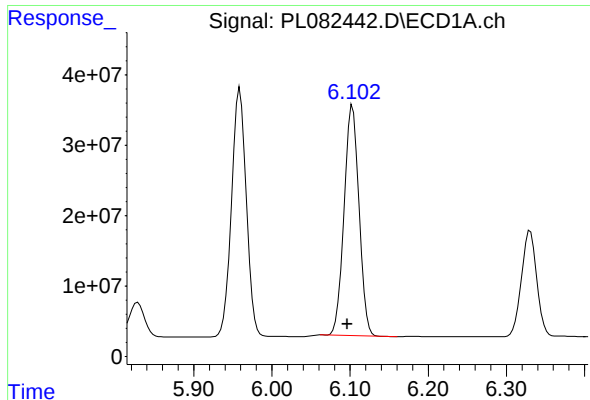
#12 4,4'-DDE

R.T.: 5.959 min  
Delta R.T.: 0.007 min  
Response: 464416857  
Conc: 182.69 ng/ml



#12 4,4'-DDE

R.T.: 5.083 min  
Delta R.T.: -0.003 min  
Response: 417737130  
Conc: 181.71 ng/ml



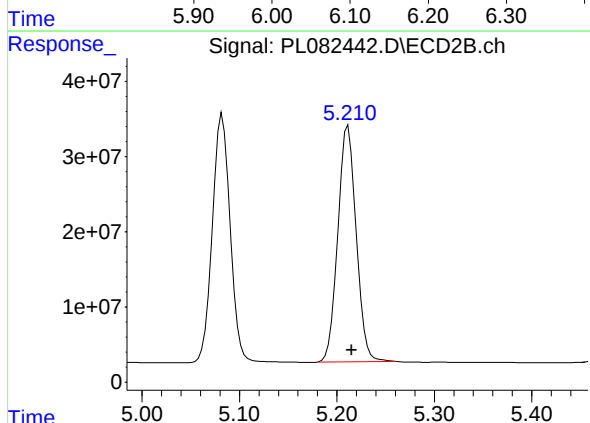
#13 Dieldrin

R.T.: 6.103 min  
Delta R.T.: 0.007 min  
Response: 433650902  
Conc: 157.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-SOILD

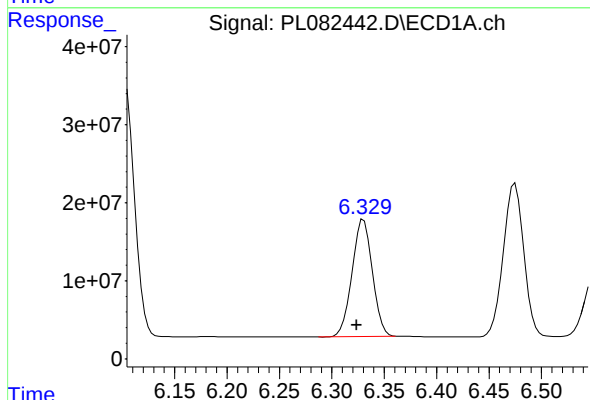
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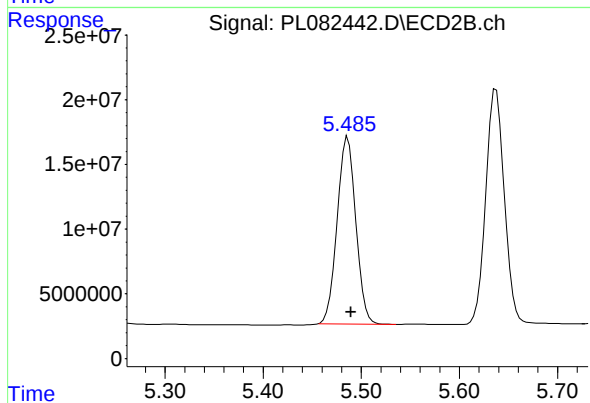
#13 Dieldrin

R.T.: 5.211 min  
Delta R.T.: -0.004 min  
Response: 411240619  
Conc: 152.29 ng/ml



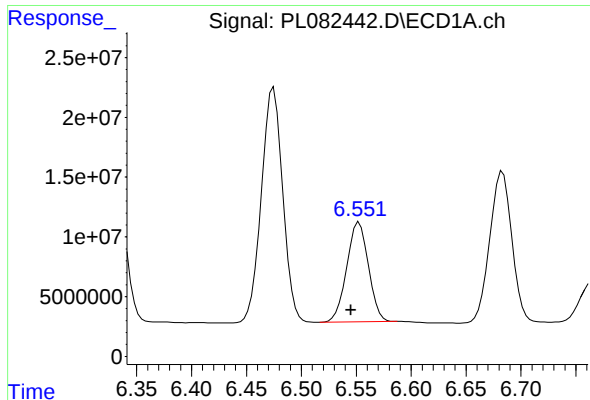
#14 Endrin

R.T.: 6.330 min  
Delta R.T.: 0.007 min  
Response: 203207529  
Conc: 83.81 ng/ml



#14 Endrin

R.T.: 5.486 min  
Delta R.T.: -0.003 min  
Response: 191238230  
Conc: 78.19 ng/ml



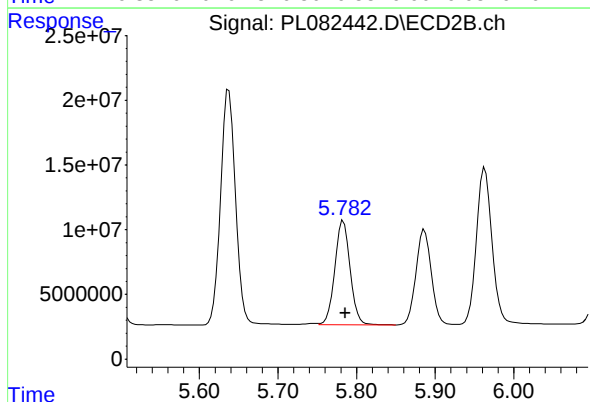
#15 Endosulfan II

R.T.: 6.553 min  
Delta R.T.: 0.007 min  
Response: 114741734  
Conc: 47.13 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-SOILD

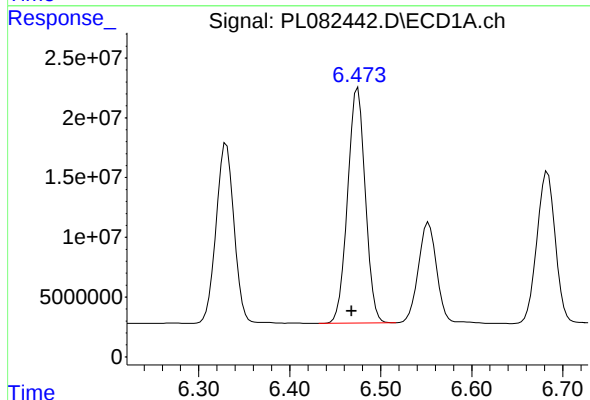
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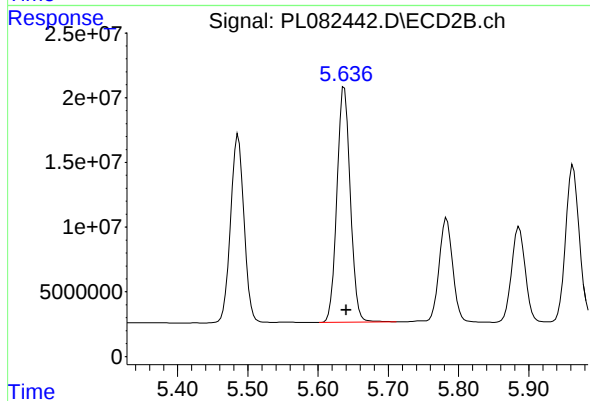
#15 Endosulfan II

R.T.: 5.783 min  
Delta R.T.: -0.002 min  
Response: 108194186  
Conc: 48.00 ng/ml



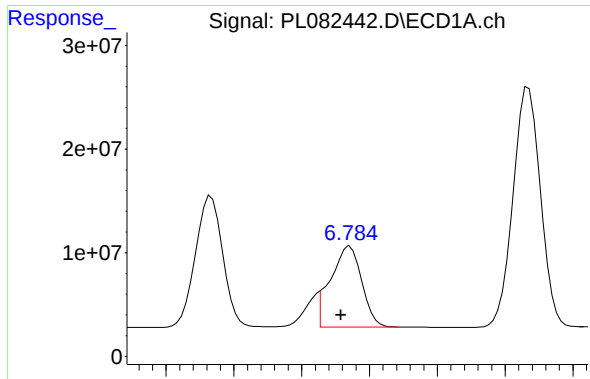
#16 4,4'-DDD

R.T.: 6.475 min  
Delta R.T.: 0.007 min  
Response: 266660861  
Conc: 131.54 ng/ml



#16 4,4'-DDD

R.T.: 5.637 min  
Delta R.T.: -0.003 min  
Response: 240360032  
Conc: 128.51 ng/ml



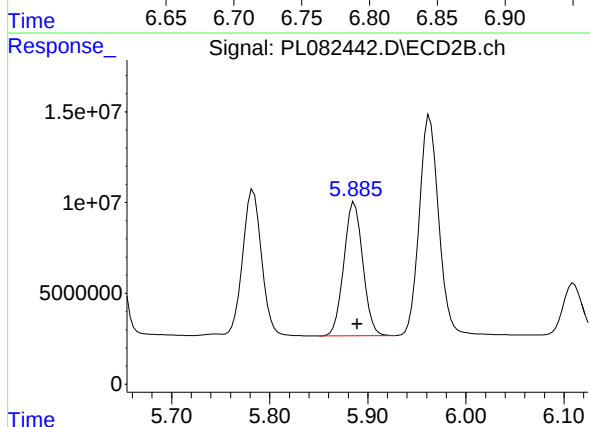
#17 4,4'-DDT

R.T.: 6.784 min  
Delta R.T.: 0.005 min  
Response: 122864360  
Conc: 53.71 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-SOILDL

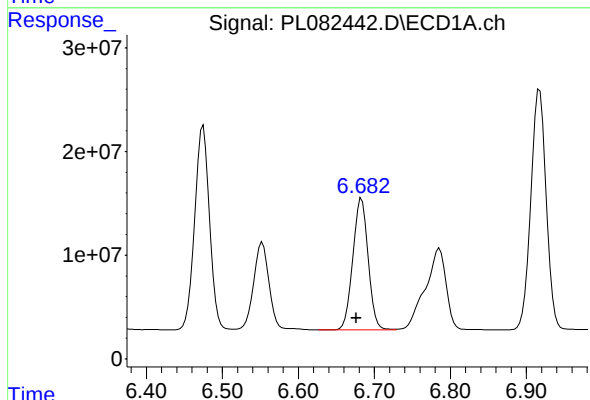
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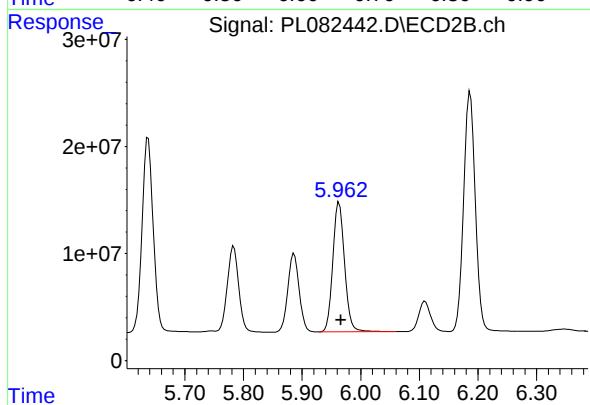
#17 4,4'-DDT

R.T.: 5.886 min  
Delta R.T.: -0.003 min  
Response: 99214762  
Conc: 46.96 ng/ml



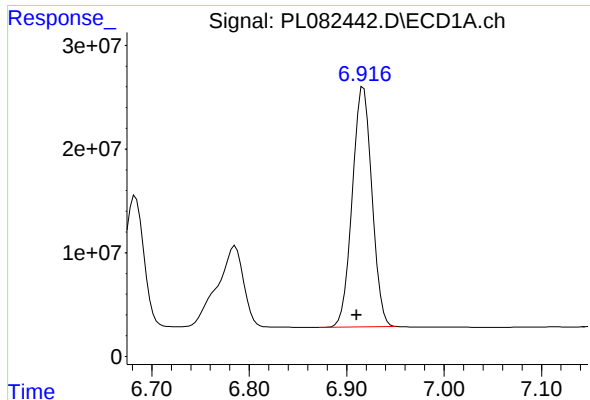
#18 Endrin aldehyde

R.T.: 6.683 min  
Delta R.T.: 0.007 min  
Response: 178441232  
Conc: 94.71 ng/ml



#18 Endrin aldehyde

R.T.: 5.963 min  
Delta R.T.: -0.003 min  
Response: 167799914  
Conc: 89.67 ng/ml



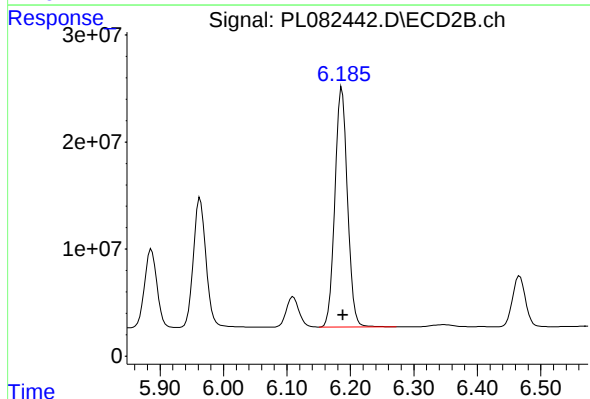
#19 Endosulfan Sulfate

R.T.: 6.917 min  
Delta R.T.: 0.007 min  
Response: 324848345  
Conc: 136.98 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-SOILD

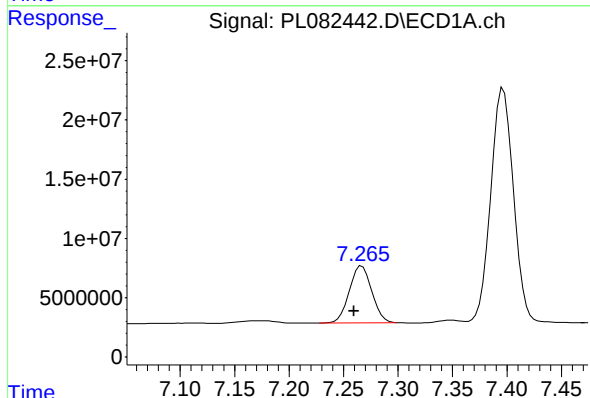
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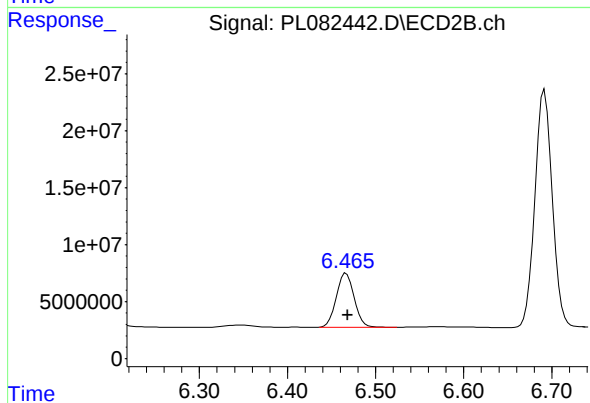
#19 Endosulfan Sulfate

R.T.: 6.187 min  
Delta R.T.: -0.002 min  
Response: 308148012  
Conc: 130.89 ng/ml



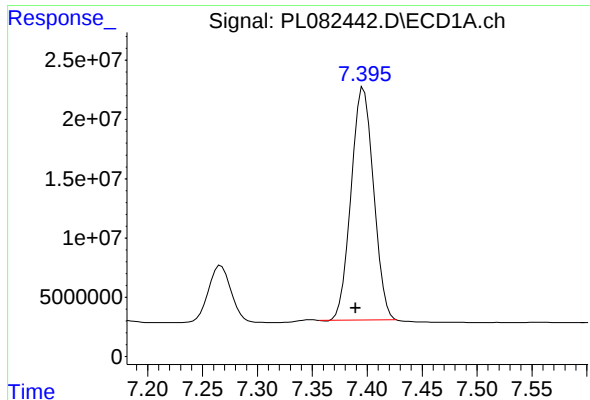
#20 Methoxychlor

R.T.: 7.267 min  
Delta R.T.: 0.007 min  
Response: 68805214  
Conc: 56.38 ng/ml



#20 Methoxychlor

R.T.: 6.467 min  
Delta R.T.: -0.001 min  
Response: 66741253  
Conc: 55.07 ng/ml



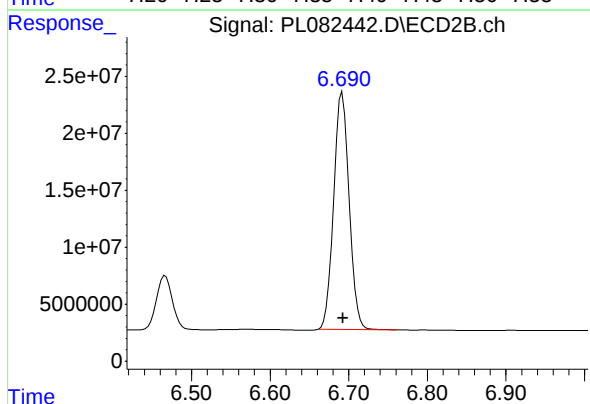
#21 Endrin ketone

R.T.: 7.397 min  
Delta R.T.: 0.007 min  
Response: 279563516  
Conc: 116.76 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PT-PEST-SOILDL

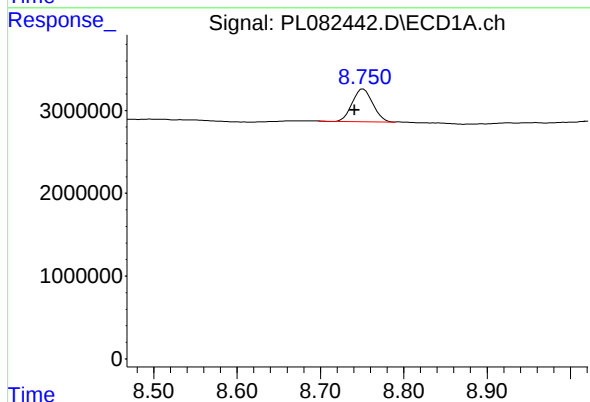
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/04/2023  
Supervised By :Ankita Jodhani 05/04/2023



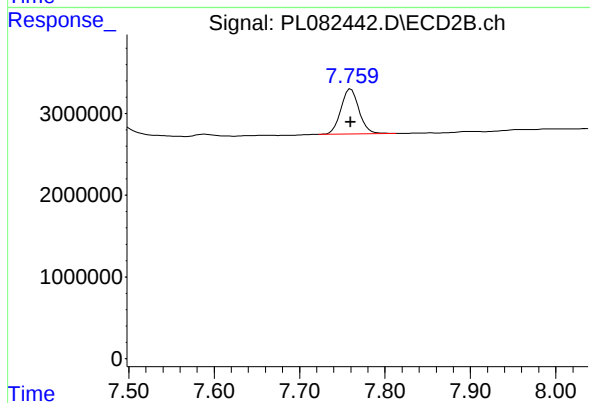
#21 Endrin ketone

R.T.: 6.692 min  
Delta R.T.: -0.001 min  
Response: 284375908  
Conc: 112.04 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.751 min  
Delta R.T.: 0.010 min  
Response: 6699235  
Conc: 3.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.760 min  
Delta R.T.: 0.000 min  
Response: 8027530  
Conc: 3.52 ng/ml