

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL020323\  
 Data File : PL080719.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 03 Feb 2023 10:05  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 02/06/2023  
 Supervised By : Ankita Jodhani 02/06/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 03 23:34:11 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012023.M  
 Quant Title : GC Extractables  
 QLast Update : Sun Jan 22 23:56:48 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... | 3.353 | 2.690 | 41279431 | 39678493 | 19.246  | 18.065  |
| 28)                         | SA Decachlor... | 8.792 | 7.836 | 30543675 | 36572988 | 17.446  | 15.350  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.801 | 3.190 | 27627394 | 25265319 | 8.721   | 7.944   |
| 3)                          | MA gamma-BHC... | 4.130 | 3.519 | 26758266 | 24333168 | 9.102   | 8.146   |
| 6)                          | B beta-BHC      | 4.326 | 3.815 | 13572842 | 12778865 | 9.943   | 9.575   |
| 12)                         | B 4,4'-DDE      | 5.988 | 5.149 | 313775   | 338862   | 0.141   | 0.144   |
| 14)                         | MA Endrin       | 6.359 | 5.550 | 79403630 | 86198985 | 36.715m | 37.136  |
| 16)                         | A 4,4'-DDD      | 6.503 | 5.702 | 13986129 | 13682401 | 7.634   | 7.281   |
| 17)                         | MA 4,4'-DDT     | 6.816 | 5.954 | 141.7E6  | 158.5E6  | 68.189  | 75.428  |
| 18)                         | B Endrin al...  | 6.708 | 6.023 | 3501944  | 3995243  | 2.105   | 2.188m  |
| 20)                         | A Methoxychlor  | 7.294 | 6.532 | 198.8E6  | 217.6E6  | 180.232 | 179.310 |
| 21)                         | B Endrin ke...  | 7.421 | 6.751 | 8293700  | 10201020 | 3.759m  | 3.995   |
| -----                       |                 |       |       |          |          |         |         |

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

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Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

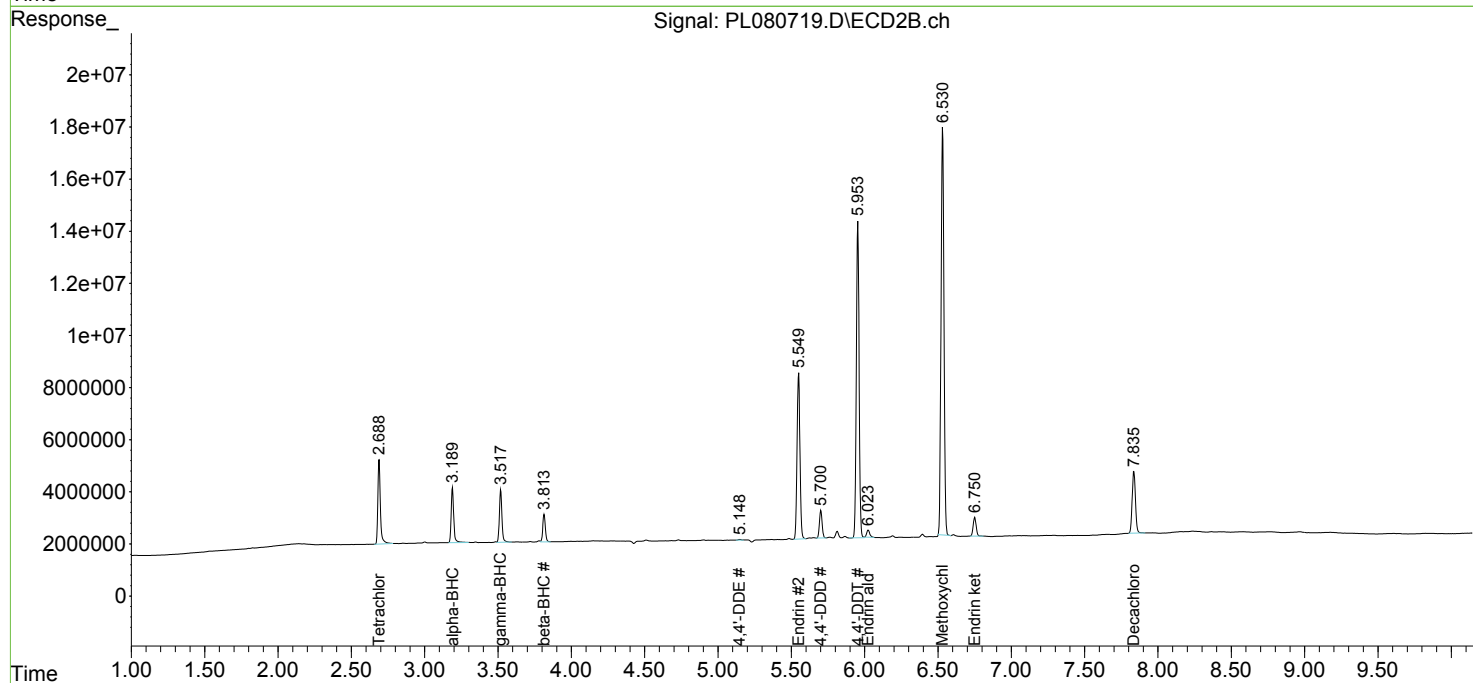
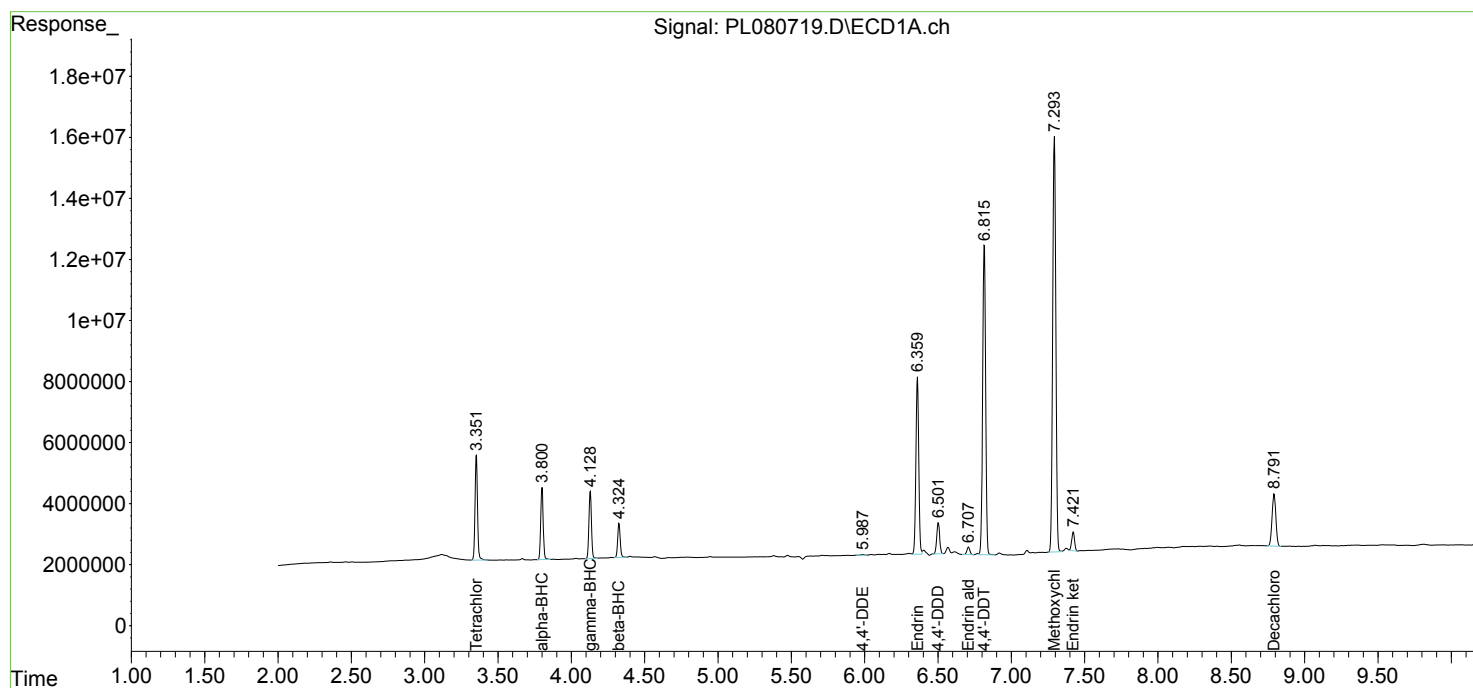
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

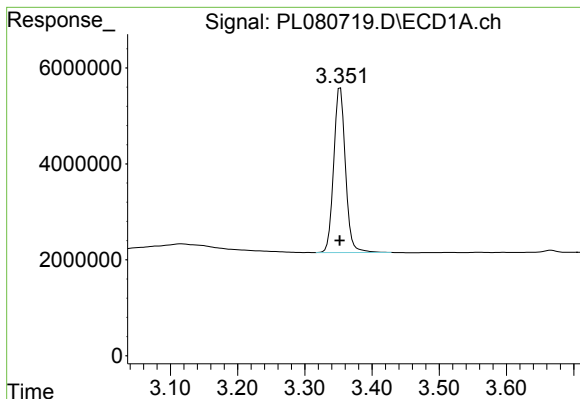
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Integration File signal 1: autoint1.e  
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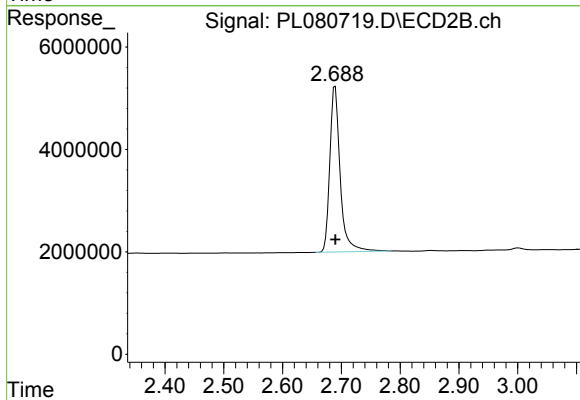
#1 Tetrachloro-m-xylene

R.T.: 3.353 min  
Delta R.T.: 0.000 min  
Response: 41279431  
Conc: 19.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

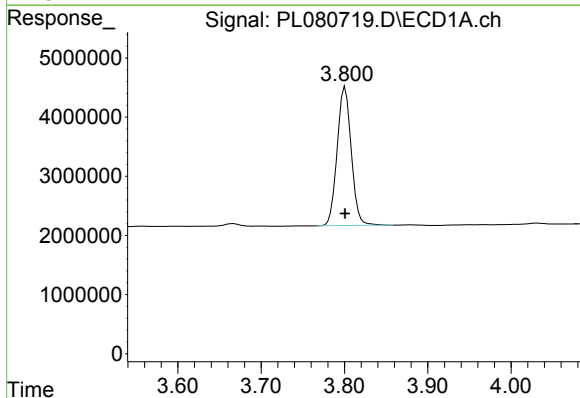
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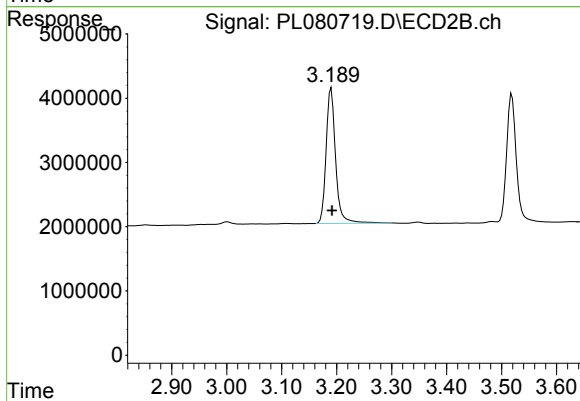
#1 Tetrachloro-m-xylene

R.T.: 2.690 min  
Delta R.T.: 0.000 min  
Response: 39678493  
Conc: 18.06 ng/ml



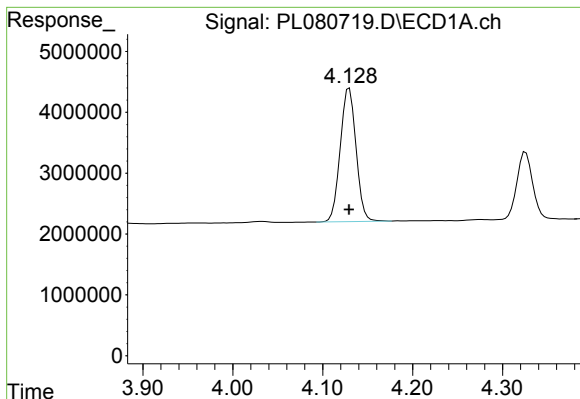
#2 alpha-BHC

R.T.: 3.801 min  
Delta R.T.: 0.000 min  
Response: 27627394  
Conc: 8.72 ng/ml



#2 alpha-BHC

R.T.: 3.190 min  
Delta R.T.: -0.001 min  
Response: 25265319  
Conc: 7.94 ng/ml



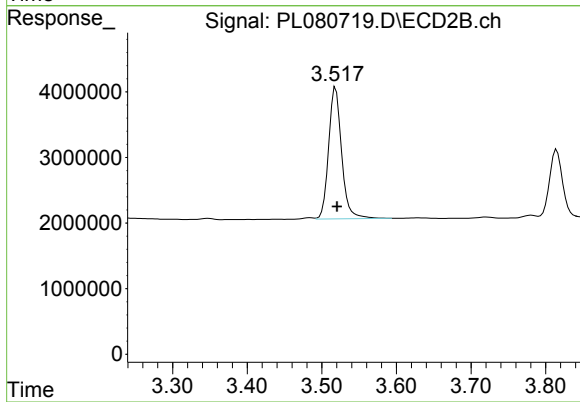
#3 gamma-BHC (Lindane)

R.T.: 4.130 min  
Delta R.T.: 0.000 min  
Response: 26758266  
Conc: 9.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

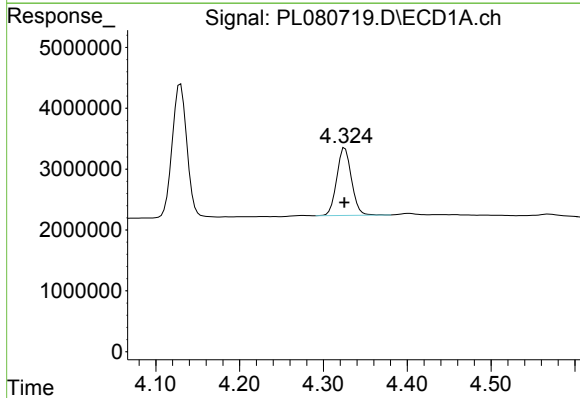
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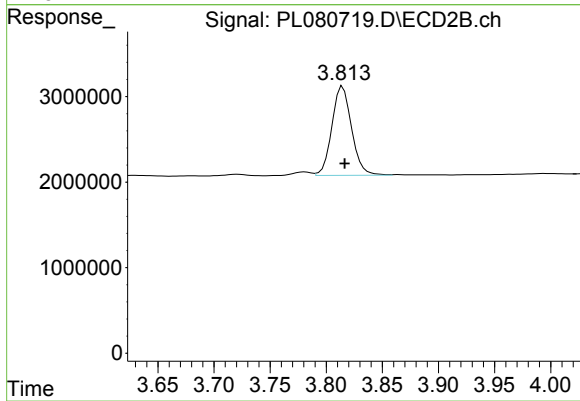
#3 gamma-BHC (Lindane)

R.T.: 3.519 min  
Delta R.T.: -0.002 min  
Response: 24333168  
Conc: 8.15 ng/ml



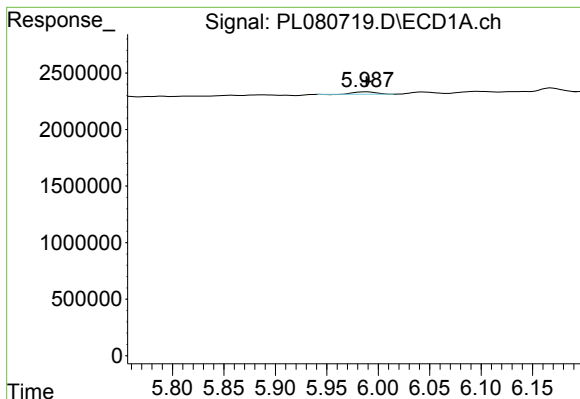
#6 beta-BHC

R.T.: 4.326 min  
Delta R.T.: 0.000 min  
Response: 13572842  
Conc: 9.94 ng/ml



#6 beta-BHC

R.T.: 3.815 min  
Delta R.T.: -0.002 min  
Response: 12778865  
Conc: 9.57 ng/ml



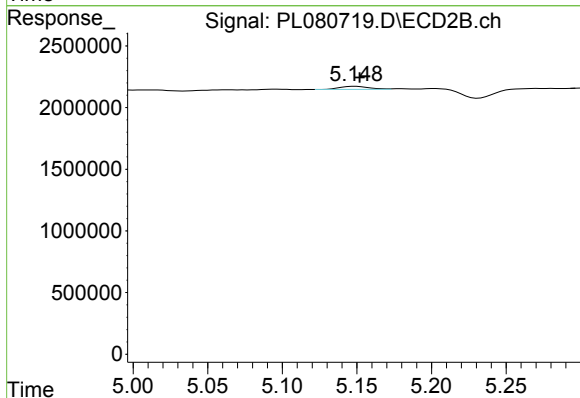
#12 4,4'-DDE

R.T.: 5.988 min  
Delta R.T.: 0.000 min  
Response: 313775  
Conc: 0.14 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

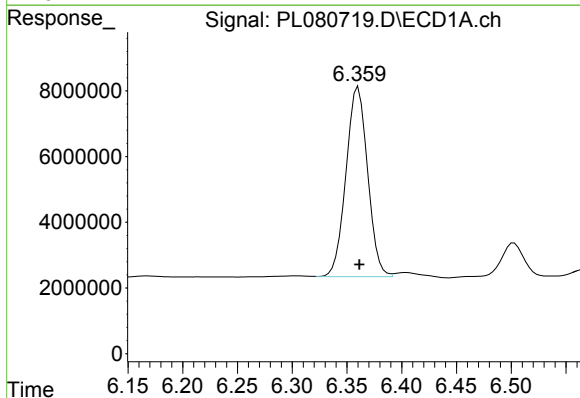
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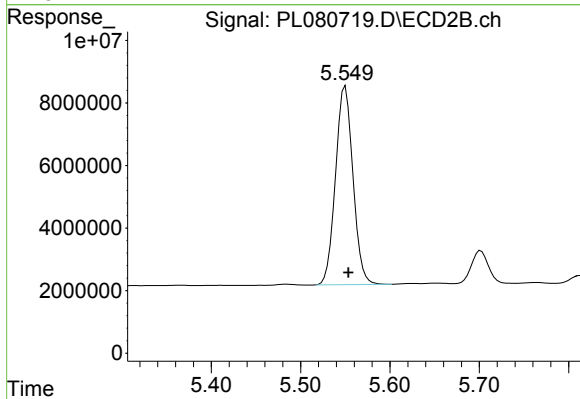
#12 4,4'-DDE

R.T.: 5.149 min  
Delta R.T.: -0.003 min  
Response: 338862  
Conc: 0.14 ng/ml



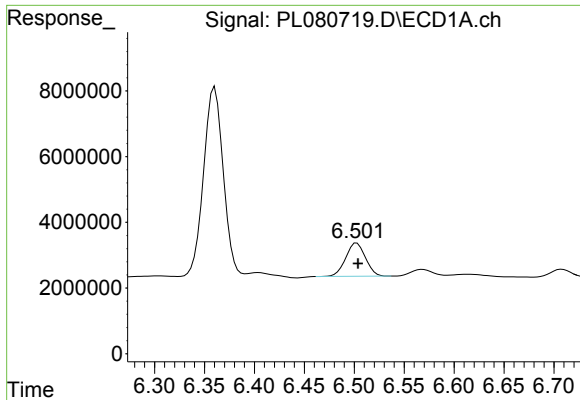
#14 Endrin

R.T.: 6.359 min  
Delta R.T.: -0.002 min  
Response: 79403630  
Conc: 36.72 ng/ml m



#14 Endrin

R.T.: 5.550 min  
Delta R.T.: -0.004 min  
Response: 86198985  
Conc: 37.14 ng/ml



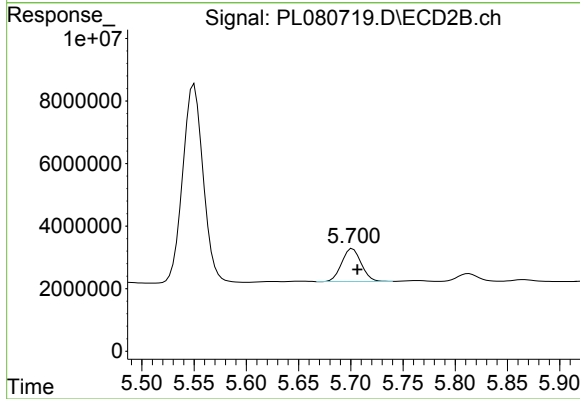
#16 4,4'-DDD

R.T.: 6.503 min  
Delta R.T.: -0.001 min  
Response: 13986129  
Conc: 7.63 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

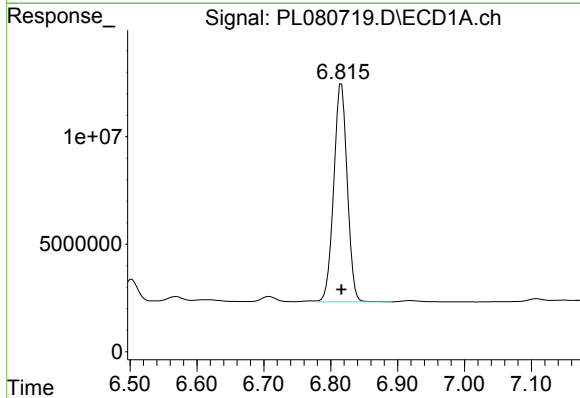
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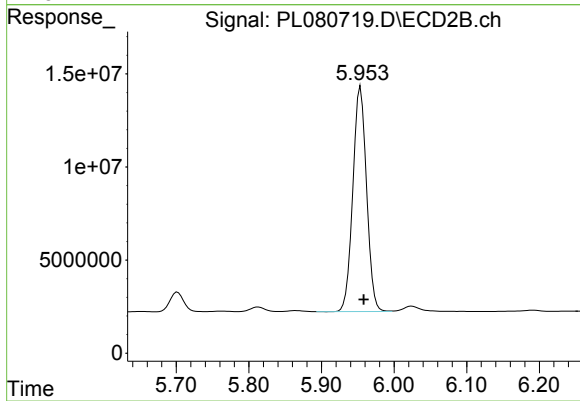
#16 4,4'-DDD

R.T.: 5.702 min  
Delta R.T.: -0.005 min  
Response: 13682401  
Conc: 7.28 ng/ml



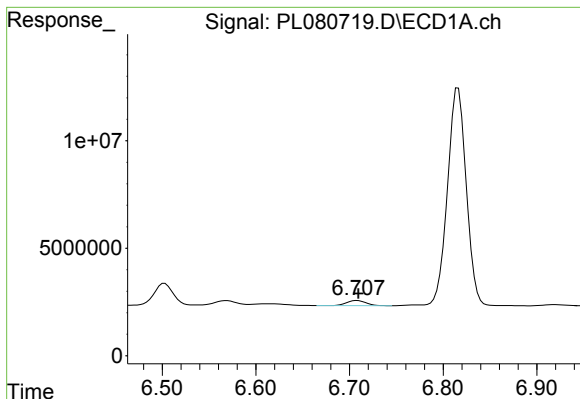
#17 4,4'-DDT

R.T.: 6.816 min  
Delta R.T.: 0.000 min  
Response: 141673536  
Conc: 68.19 ng/ml



#17 4,4'-DDT

R.T.: 5.954 min  
Delta R.T.: -0.004 min  
Response: 158511258  
Conc: 75.43 ng/ml



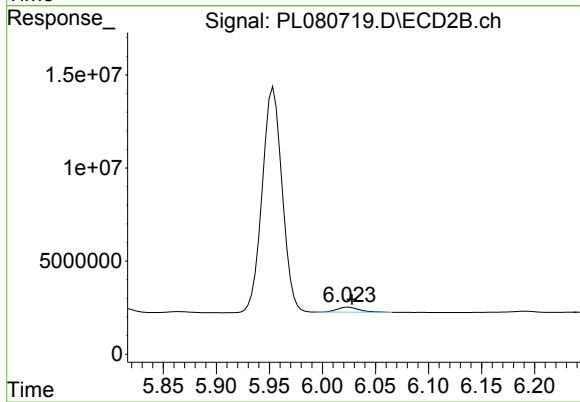
#18 Endrin aldehyde

R.T.: 6.708 min  
Delta R.T.: -0.001 min  
Response: 3501944  
Conc: 2.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

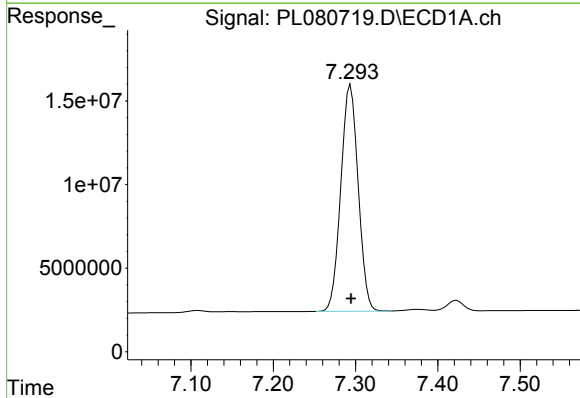
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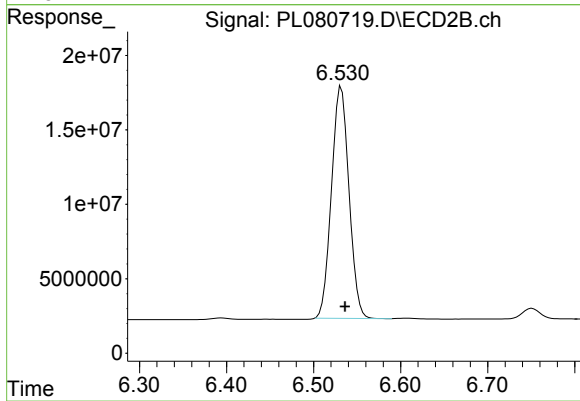
#18 Endrin aldehyde

R.T.: 6.023 min  
Delta R.T.: -0.005 min  
Response: 3995243  
Conc: 2.19 ng/ml m



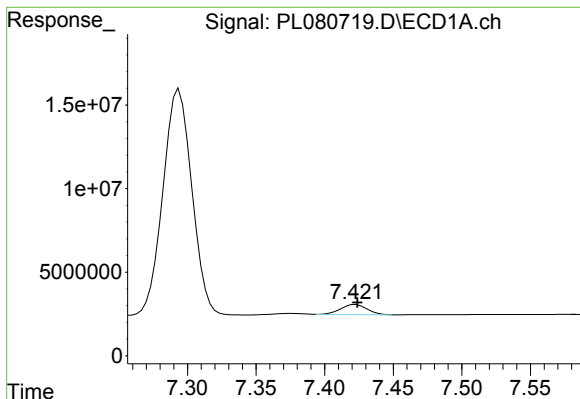
#20 Methoxychlor

R.T.: 7.294 min  
Delta R.T.: 0.000 min  
Response: 198847436  
Conc: 180.23 ng/ml



#20 Methoxychlor

R.T.: 6.532 min  
Delta R.T.: -0.004 min  
Response: 217586839  
Conc: 179.31 ng/ml



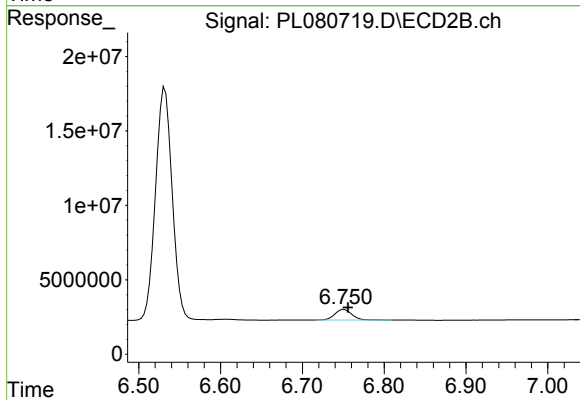
#21 Endrin ketone

R.T.: 7.421 min  
Delta R.T.: -0.003 min  
Response: 8293700  
Conc: 3.76 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

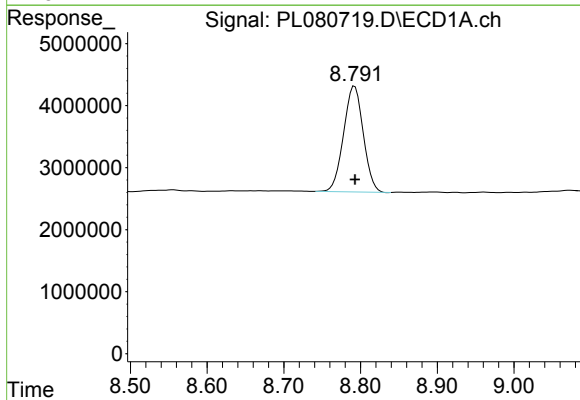
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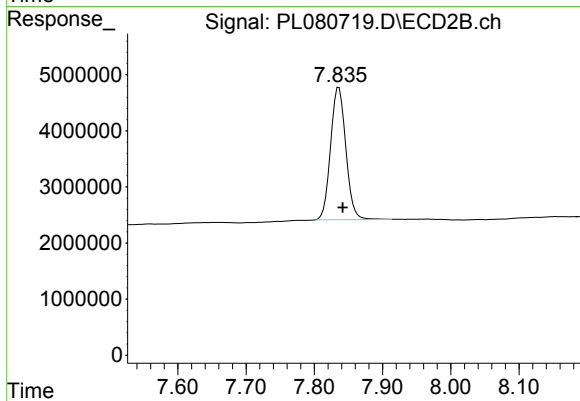
#21 Endrin ketone

R.T.: 6.751 min  
Delta R.T.: -0.005 min  
Response: 10201020  
Conc: 4.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.792 min  
Delta R.T.: 0.000 min  
Response: 30543675  
Conc: 17.45 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.836 min  
Delta R.T.: -0.006 min  
Response: 36572988  
Conc: 15.35 ng/ml