

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL022024\  
 Data File : PL088155.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2024 16:02  
 Operator : AR\AJ  
 Sample : P1523-05MSD  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 20240765-COMPOSITE-39N-N-3-03MSD

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 02/21/2024  
 Supervised By :Ankita Jodhani 02/21/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 00:16:29 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL021524.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Feb 16 21:46:54 2024  
 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... | 3.635 | 2.854 | 42733509 | 20824585 | 15.558 | 14.848  |
| 28)                         | SA Decachlor... | 9.298 | 8.082 | 18250523 | 10659532 | 9.476  | 8.372   |
| Target Compounds            |                 |       |       |          |          |        |         |
| 2)                          | A alpha-BHC     | 4.099 | 3.369 | 208.1E6  | 100.0E6  | 49.853 | 48.687  |
| 3)                          | MA gamma-BHC... | 4.438 | 3.706 | 197.2E6  | 94401328 | 48.694 | 47.141  |
| 4)                          | MA Heptachlor   | 5.038 | 4.054 | 194.6E6  | 91377216 | 50.561 | 50.159  |
| 5)                          | MB Aldrin       | 5.384 | 4.339 | 182.9E6  | 90892371 | 47.904 | 46.865  |
| 6)                          | B beta-BHC      | 4.634 | 4.007 | 88650760 | 41835959 | 50.901 | 47.003  |
| 7)                          | B delta-BHC     | 4.886 | 4.242 | 188.8E6  | 90760732 | 49.628 | 45.499  |
| 8)                          | B Heptachlo...  | 5.816 | 4.850 | 171.7E6  | 83630494 | 48.996 | 48.209  |
| 9)                          | A Endosulfan I  | 6.206 | 5.226 | 155.3E6  | 78724917 | 49.607 | 48.926  |
| 10)                         | B gamma-Chl...  | 6.075 | 5.104 | 176.1E6  | 89619482 | 51.831 | 50.241  |
| 11)                         | B alpha-Chl...  | 6.156 | 5.169 | 171.3E6  | 88009720 | 50.186 | 49.403  |
| 12)                         | B 4,4'-DDE      | 6.329 | 5.362 | 152.1E6  | 78664067 | 50.141 | 49.493  |
| 13)                         | MA Dieldrin     | 6.485 | 5.495 | 164.7E6  | 85335754 | 50.084 | 49.460  |
| 14)                         | MA Endrin       | 6.717 | 5.773 | 132.5E6  | 73952253 | 50.947 | 49.462  |
| 15)                         | B Endosulfa...  | 6.937 | 6.071 | 142.0E6  | 75099138 | 49.575 | 49.297  |
| 16)                         | A 4,4'-DDD      | 6.851 | 5.924 | 127.9E6  | 67150856 | 49.312 | 49.151  |
| 17)                         | MA 4,4'-DDT     | 7.170 | 6.179 | 124.9E6  | 67037234 | 47.507 | 49.103  |
| 18)                         | B Endrin al...  | 7.069 | 6.253 | 107.3E6  | 56897375 | 51.911 | 52.096  |
| 19)                         | B Endosulfa...  | 7.306 | 6.479 | 133.1E6  | 71059033 | 51.083 | 50.596  |
| 20)                         | A Methoxychlor  | 7.650 | 6.762 | 66415760 | 37593835 | 50.174 | 47.966  |
| 21)                         | B Endrin ke...  | 7.798 | 6.991 | 144.1E6  | 84400500 | 51.446 | 50.412  |
| 22)                         | Mirex           | 8.279 | 7.176 | 113.8E6  | 67782539 | 49.104 | 51.738m |
| -----                       |                 |       |       |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL022024\  
Data File : PL088155.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2024 16:02  
Operator : AR\AJ  
Sample : P1523-05MSD  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

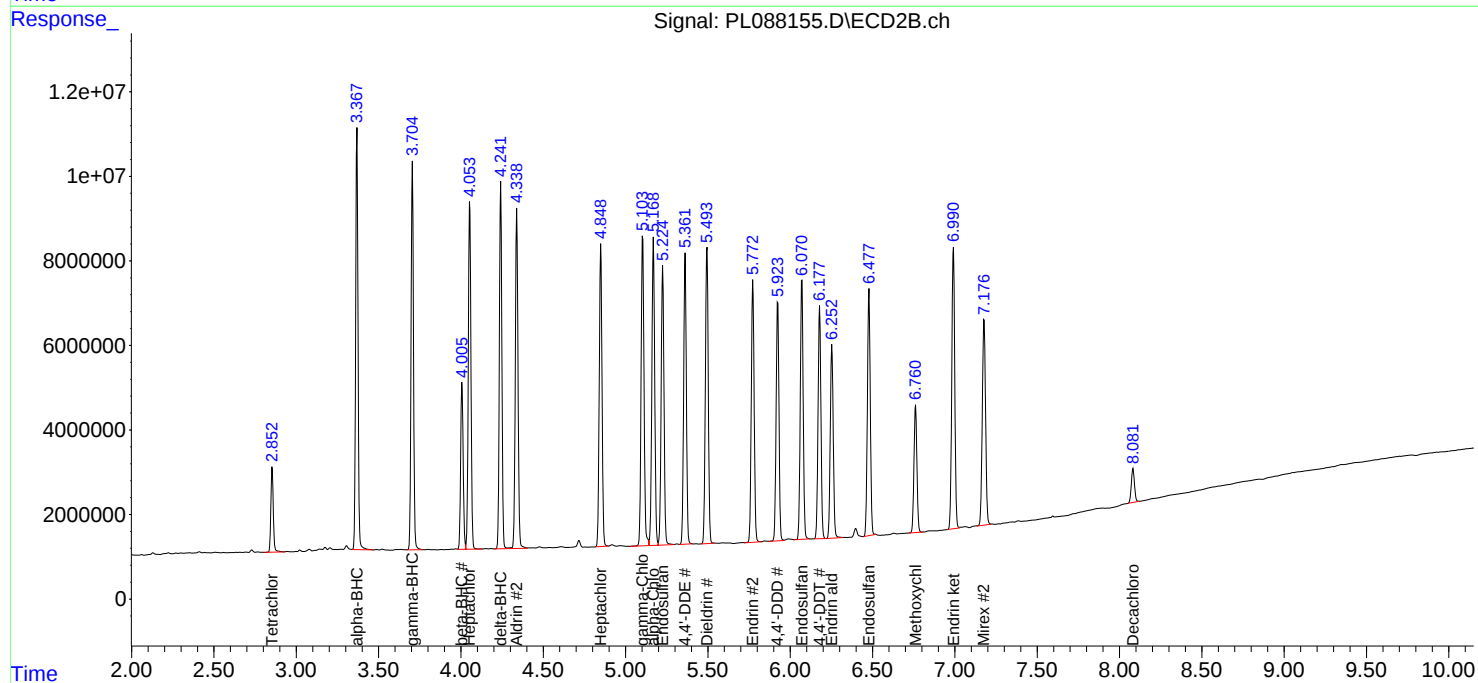
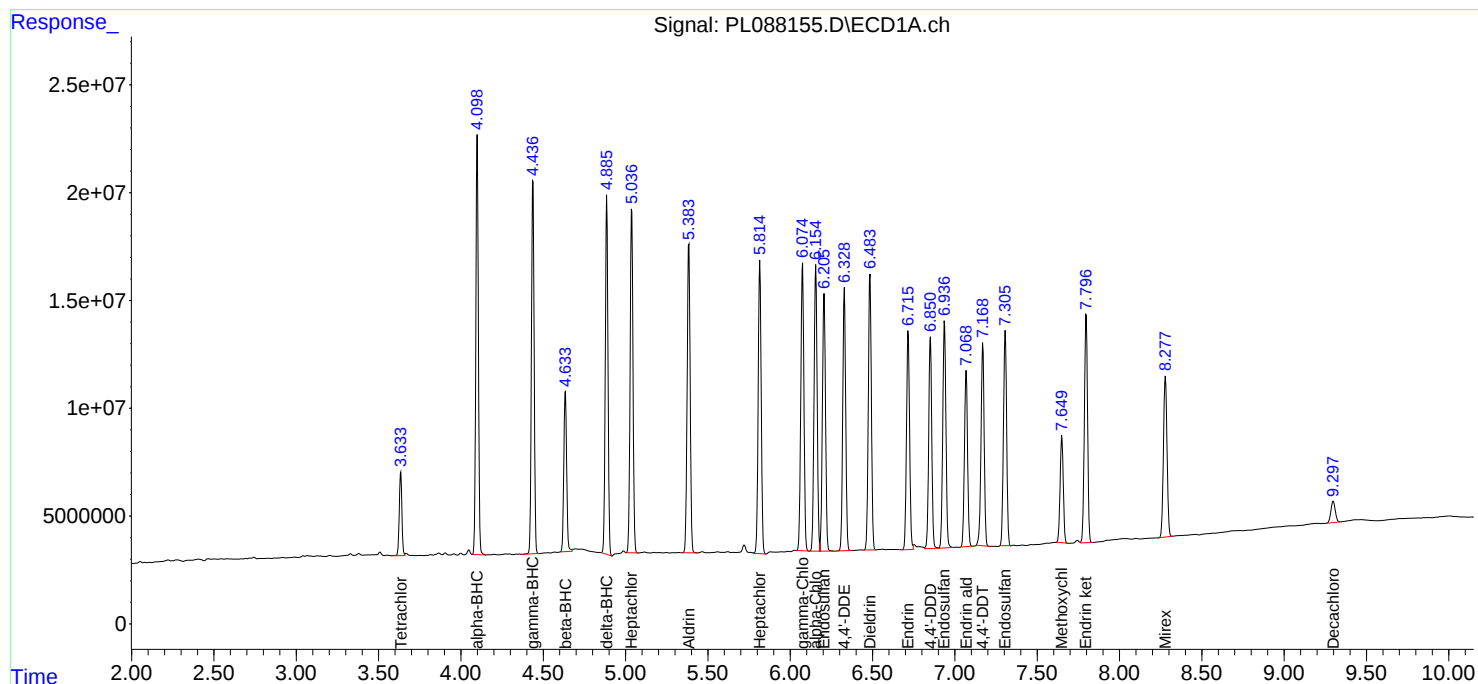
Instrument :  
ECD\_L  
ClientSampleId :  
20240765-COMPOSITE-39N-N-3-03MSD

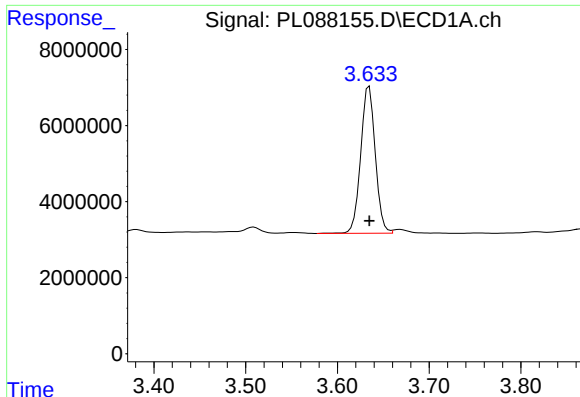
Manual Integrations  
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 00:16:29 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL021524.M  
Quant Title : GC Extractables  
QLast Update : Fri Feb 16 21:46:54 2024  
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.: 3.635 min  
Delta R.T.: 0.000 min  
Response: 42733509  
Conc: 15.56 ng/ml

Instrument :

ECD\_L

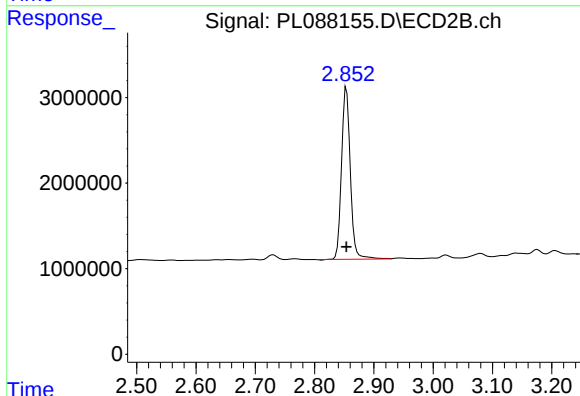
ClientSampleId :

20240765-COMPOSITE-39N-N-3-03MSD

Manual Integrations

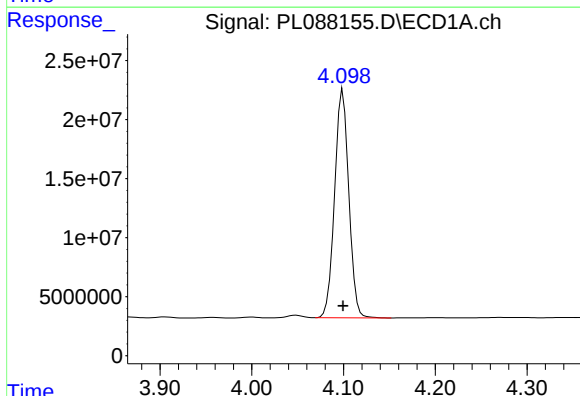
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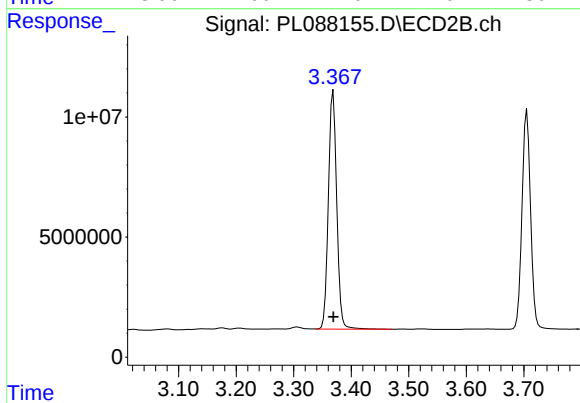
#1 Tetrachloro-m-xylene

R.T.: 2.854 min  
Delta R.T.: 0.000 min  
Response: 20824585  
Conc: 14.85 ng/ml



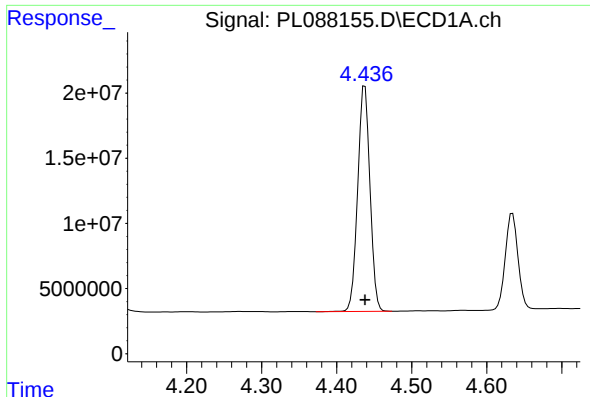
#2 alpha-BHC

R.T.: 4.099 min  
Delta R.T.: 0.000 min  
Response: 208100371  
Conc: 49.85 ng/ml



#2 alpha-BHC

R.T.: 3.369 min  
Delta R.T.: 0.000 min  
Response: 100042354  
Conc: 48.69 ng/ml



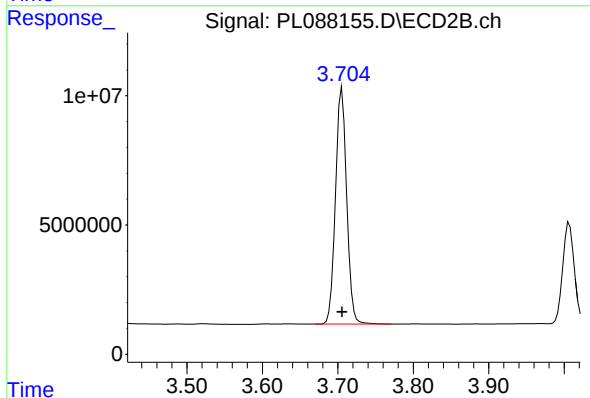
#3 gamma-BHC (Lindane)

R.T.: 4.438 min  
Delta R.T.: 0.000 min  
Response: 197189873  
Conc: 48.69 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
20240765-COMPOSITE-39N-N-3-03MSD

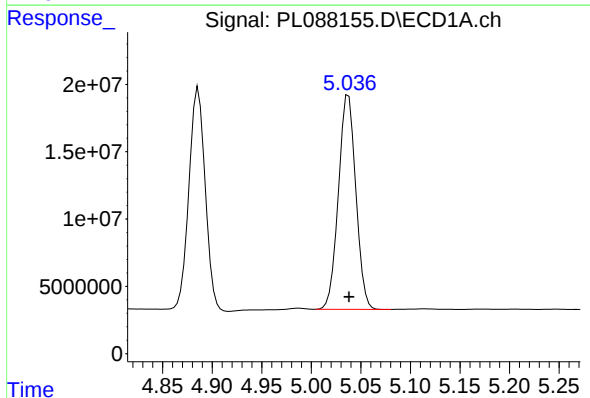
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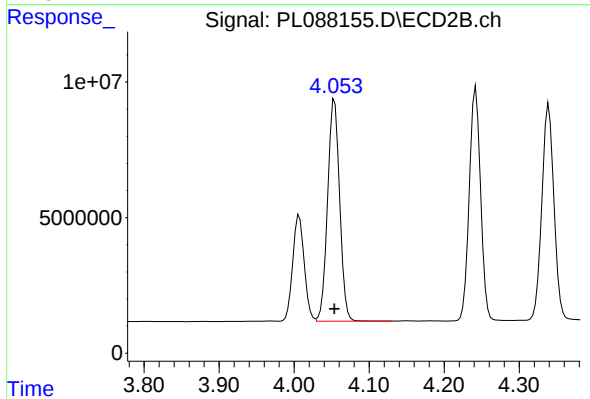
#3 gamma-BHC (Lindane)

R.T.: 3.706 min  
Delta R.T.: 0.000 min  
Response: 94401328  
Conc: 47.14 ng/ml



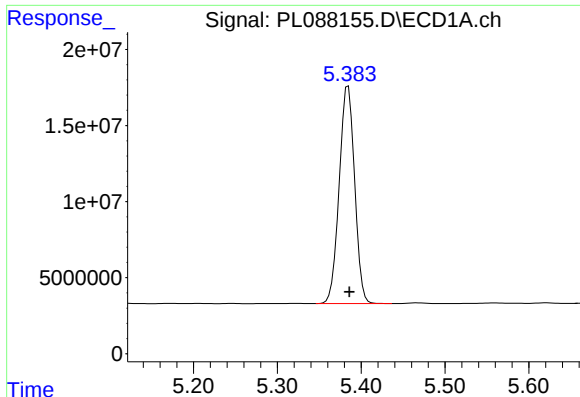
#4 Heptachlor

R.T.: 5.038 min  
Delta R.T.: 0.000 min  
Response: 194573796  
Conc: 50.56 ng/ml



#4 Heptachlor

R.T.: 4.054 min  
Delta R.T.: 0.000 min  
Response: 91377216  
Conc: 50.16 ng/ml



#5 Aldrin

R.T.: 5.384 min  
Delta R.T.: -0.001 min  
Response: 182914054  
Conc: 47.90 ng/ml

Instrument :

ECD\_L

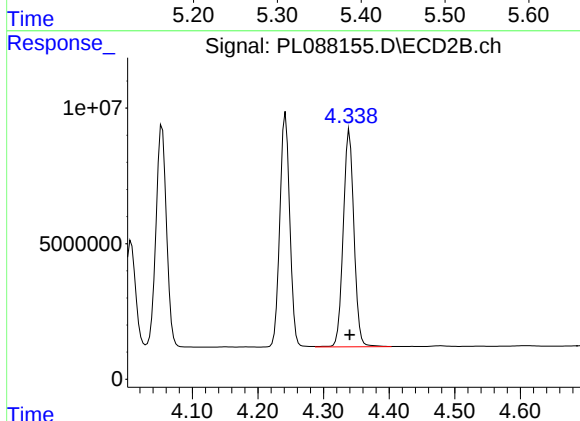
ClientSampleId :

20240765-COMPOSITE-39N-N-3-03MSD

Manual Integrations

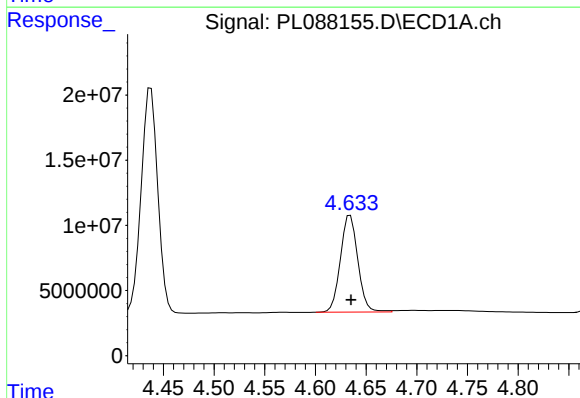
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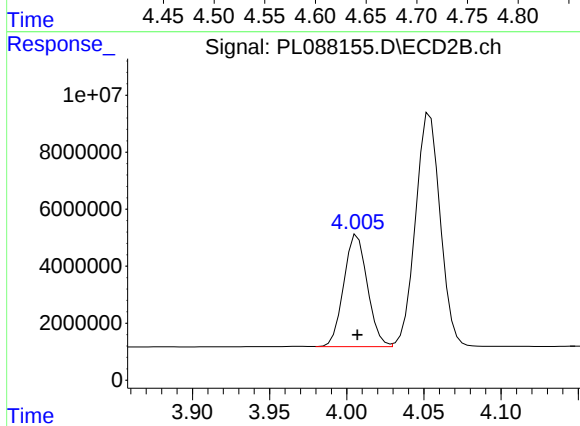
#5 Aldrin

R.T.: 4.339 min  
Delta R.T.: 0.000 min  
Response: 90892371  
Conc: 46.86 ng/ml



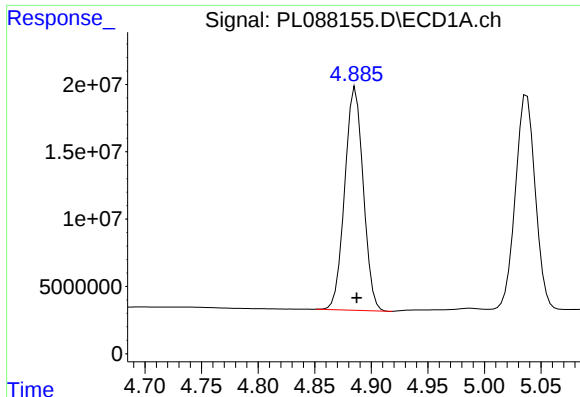
#6 beta-BHC

R.T.: 4.634 min  
Delta R.T.: 0.000 min  
Response: 88650760  
Conc: 50.90 ng/ml



#6 beta-BHC

R.T.: 4.007 min  
Delta R.T.: 0.000 min  
Response: 41835959  
Conc: 47.00 ng/ml



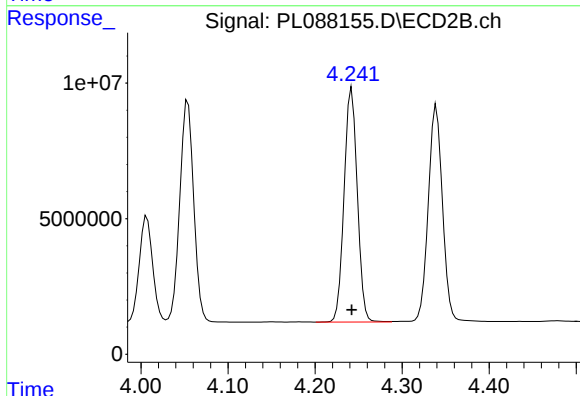
#7 delta-BHC

R.T.: 4.886 min  
Delta R.T.: -0.001 min  
Response: 188820615  
Conc: 49.63 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
20240765-COMPOSITE-39N-N-3-03MSD

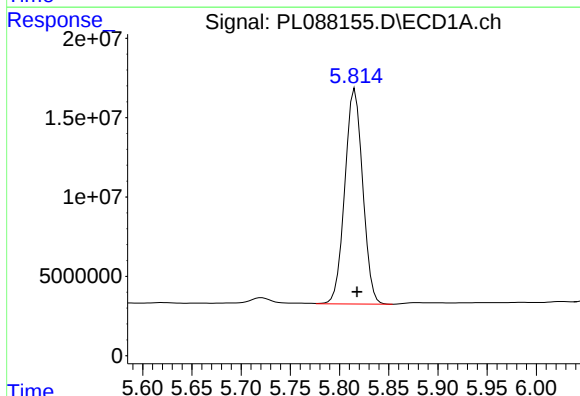
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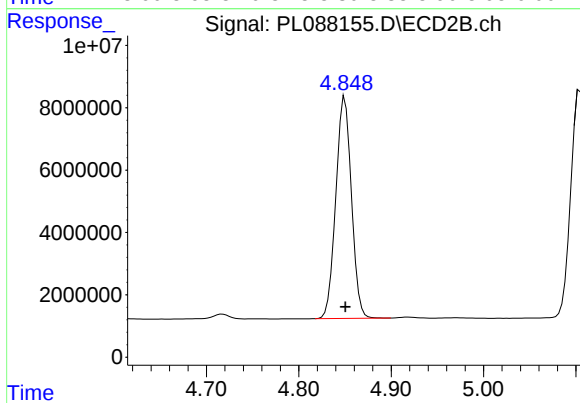
#7 delta-BHC

R.T.: 4.242 min  
Delta R.T.: 0.000 min  
Response: 90760732  
Conc: 45.50 ng/ml



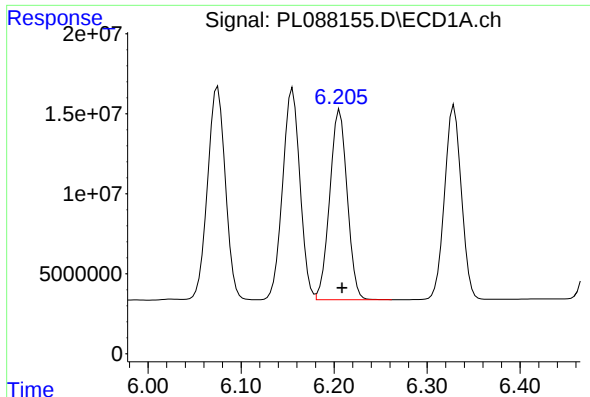
#8 Heptachlor epoxide

R.T.: 5.816 min  
Delta R.T.: -0.002 min  
Response: 171663740  
Conc: 49.00 ng/ml



#8 Heptachlor epoxide

R.T.: 4.850 min  
Delta R.T.: 0.000 min  
Response: 83630494  
Conc: 48.21 ng/ml



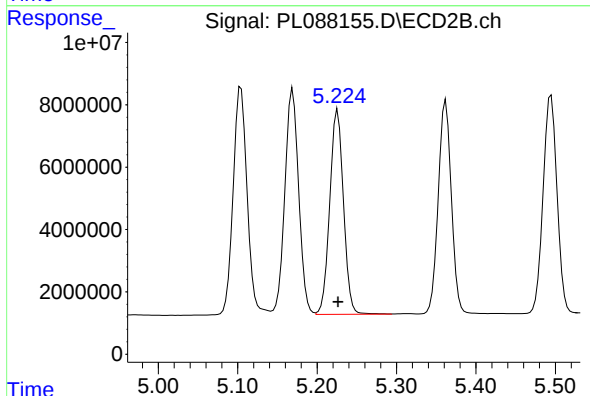
#9 Endosulfan I

R.T.: 6.206 min  
Delta R.T.: -0.002 min  
Response: 155264474  
Conc: 49.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
20240765-COMPOSITE-39N-N-3-03MSD

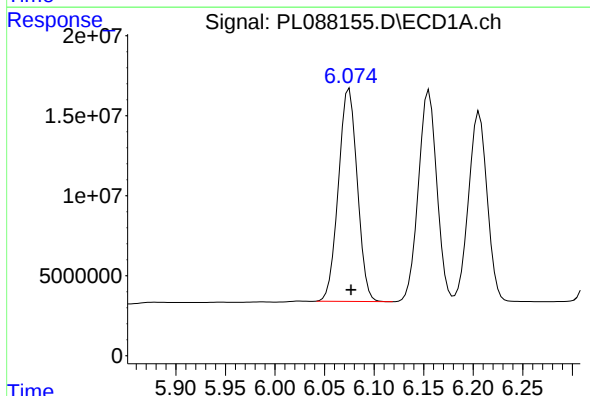
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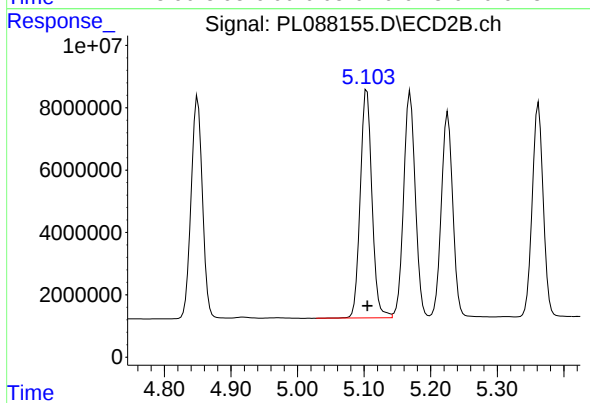
#9 Endosulfan I

R.T.: 5.226 min  
Delta R.T.: 0.000 min  
Response: 78724917  
Conc: 48.93 ng/ml



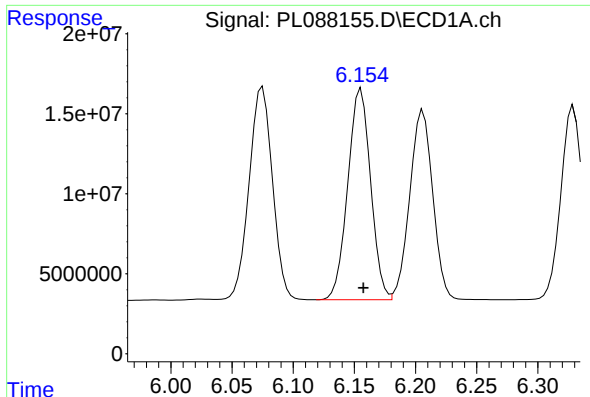
#10 gamma-Chlordane

R.T.: 6.075 min  
Delta R.T.: -0.002 min  
Response: 176137909  
Conc: 51.83 ng/ml



#10 gamma-Chlordane

R.T.: 5.104 min  
Delta R.T.: 0.000 min  
Response: 89619482  
Conc: 50.24 ng/ml



#11 alpha-Chlordane

R.T.: 6.156 min  
Delta R.T.: -0.002 min  
Response: 171273538  
Conc: 50.19 ng/ml

Instrument :

ECD\_L

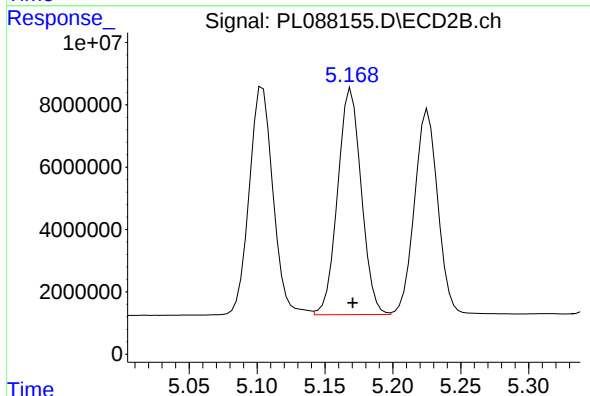
ClientSampleId :

20240765-COMPOSITE-39N-N-3-03MSD

Manual Integrations

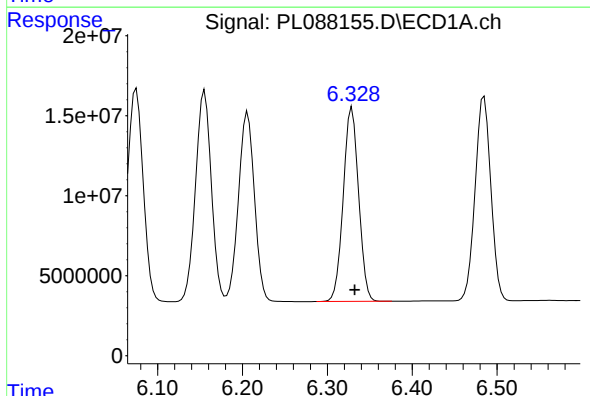
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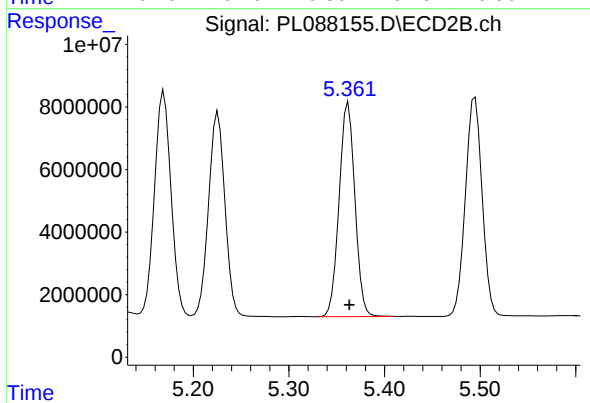
#11 alpha-Chlordane

R.T.: 5.169 min  
Delta R.T.: -0.001 min  
Response: 88009720  
Conc: 49.40 ng/ml



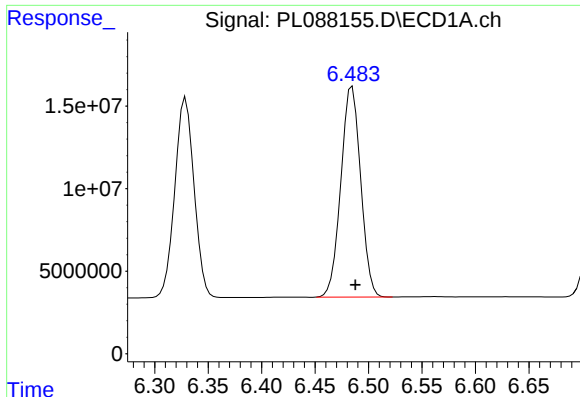
#12 4,4'-DDE

R.T.: 6.329 min  
Delta R.T.: -0.003 min  
Response: 152069867  
Conc: 50.14 ng/ml



#12 4,4'-DDE

R.T.: 5.362 min  
Delta R.T.: -0.001 min  
Response: 78664067  
Conc: 49.49 ng/ml



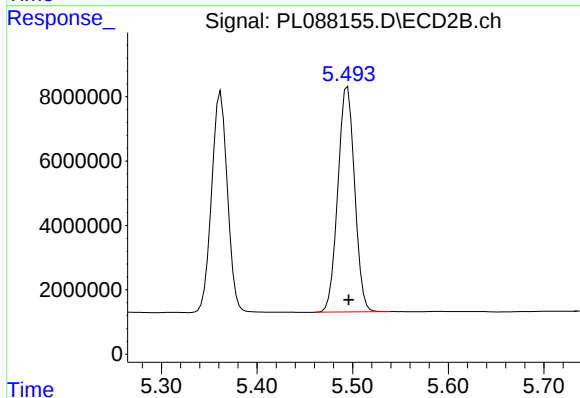
#13 Dieldrin

R.T.: 6.485 min  
Delta R.T.: -0.003 min  
Response: 164681969  
Conc: 50.08 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
20240765-COMPOSITE-39N-N-3-03MSD

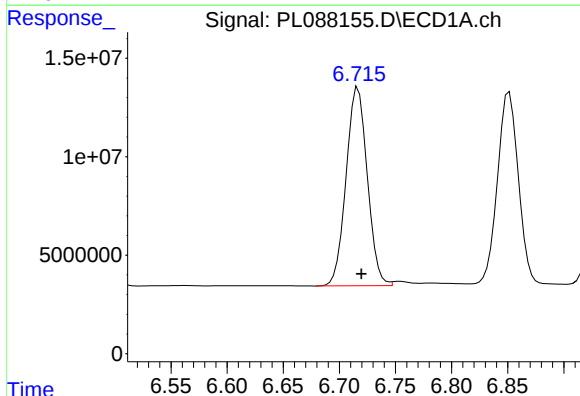
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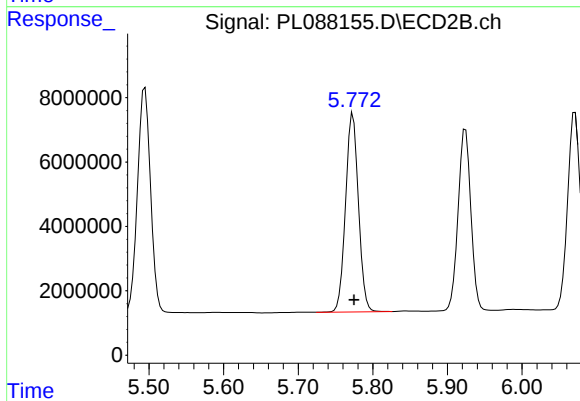
#13 Dieldrin

R.T.: 5.495 min  
Delta R.T.: -0.001 min  
Response: 85335754  
Conc: 49.46 ng/ml



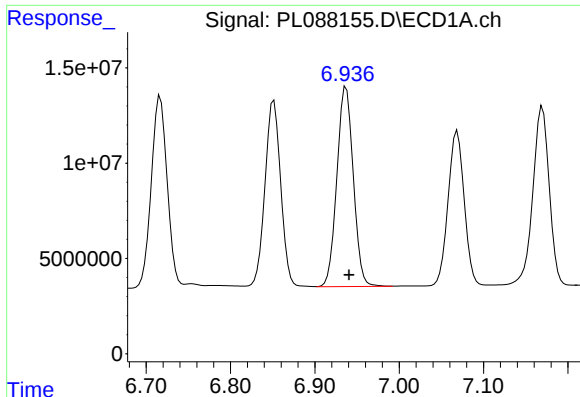
#14 Endrin

R.T.: 6.717 min  
Delta R.T.: -0.003 min  
Response: 132493031  
Conc: 50.95 ng/ml



#14 Endrin

R.T.: 5.773 min  
Delta R.T.: -0.002 min  
Response: 73952253  
Conc: 49.46 ng/ml



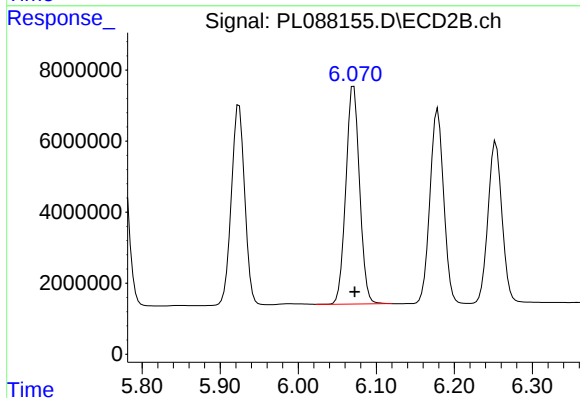
#15 Endosulfan II

R.T.: 6.937 min  
Delta R.T.: -0.003 min  
Response: 141979654  
Conc: 49.58 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
20240765-COMPOSITE-39N-N-3-03MSD

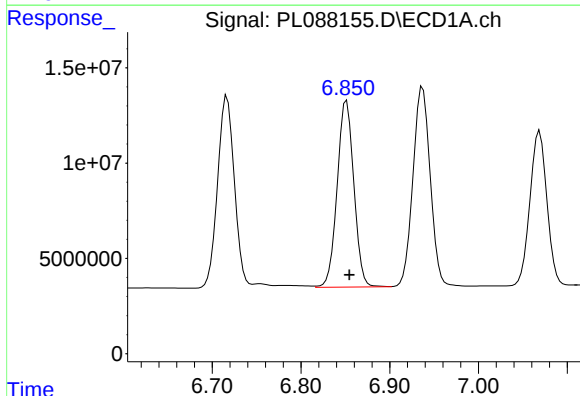
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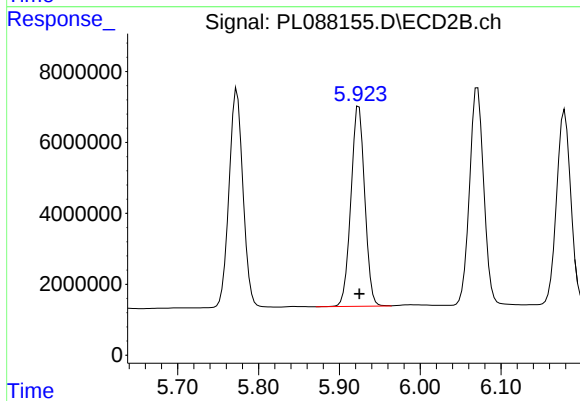
#15 Endosulfan II

R.T.: 6.071 min  
Delta R.T.: -0.002 min  
Response: 75099138  
Conc: 49.30 ng/ml



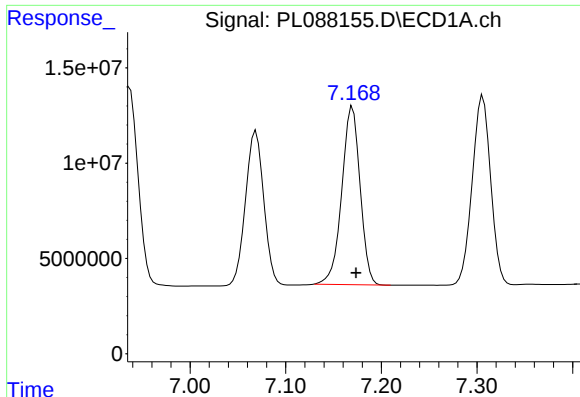
#16 4,4'-DDD

R.T.: 6.851 min  
Delta R.T.: -0.003 min  
Response: 127900251  
Conc: 49.31 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min  
Delta R.T.: 0.000 min  
Response: 67150856  
Conc: 49.15 ng/ml



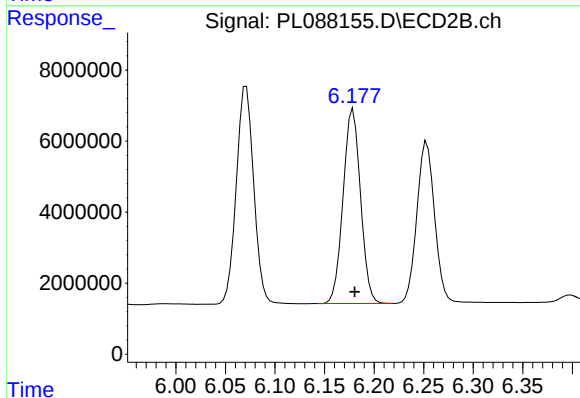
#17 4,4'-DDT

R.T.: 7.170 min  
Delta R.T.: -0.004 min  
Response: 124904938  
Conc: 47.51 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
20240765-COMPOSITE-39N-N-3-03MSD

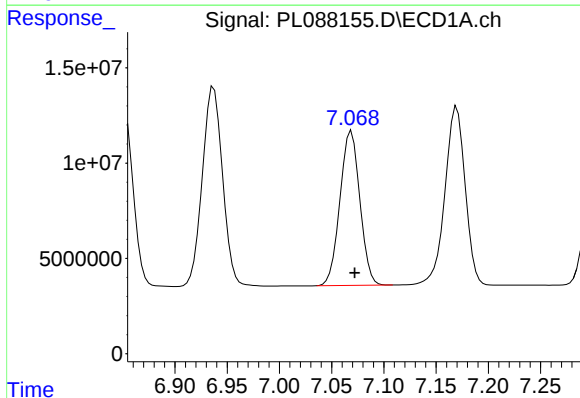
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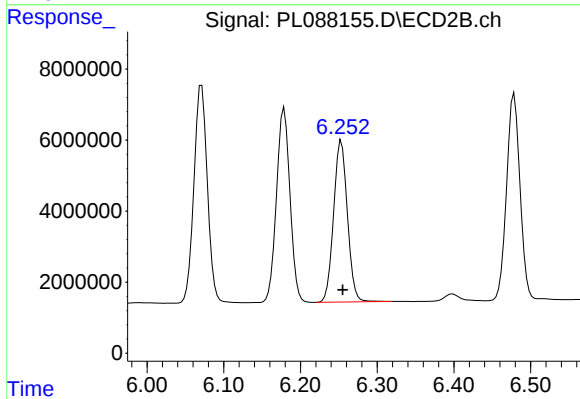
#17 4,4'-DDT

R.T.: 6.179 min  
Delta R.T.: -0.002 min  
Response: 67037234  
Conc: 49.10 ng/ml



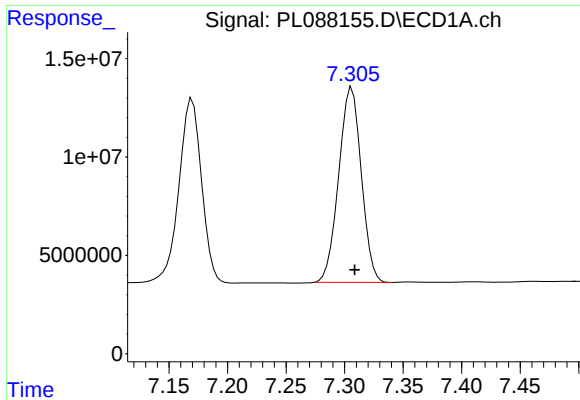
#18 Endrin aldehyde

R.T.: 7.069 min  
Delta R.T.: -0.003 min  
Response: 107335837  
Conc: 51.91 ng/ml



#18 Endrin aldehyde

R.T.: 6.253 min  
Delta R.T.: -0.002 min  
Response: 56897375  
Conc: 52.10 ng/ml



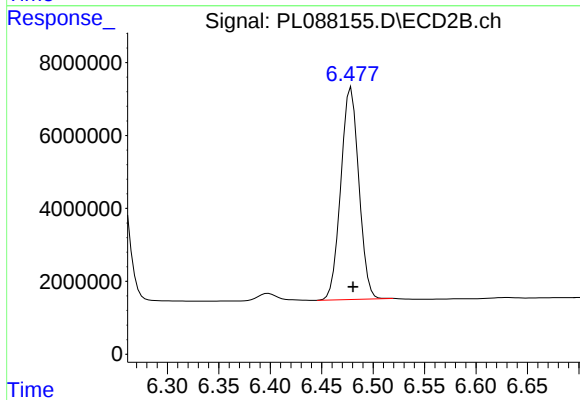
#19 Endosulfan Sulfate

R.T.: 7.306 min  
Delta R.T.: -0.002 min  
Response: 133078633  
Conc: 51.08 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
20240765-COMPOSITE-39N-N-3-03MSD

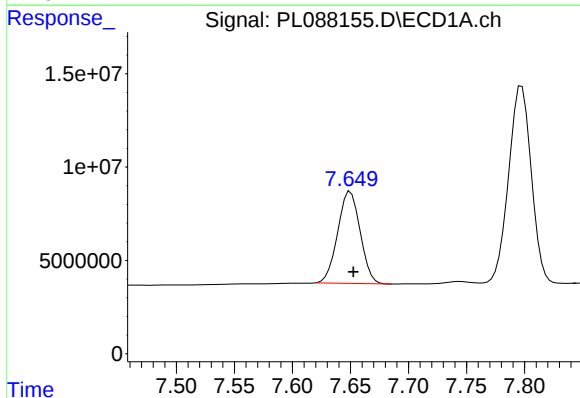
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/21/2024  
Supervised By :Ankita Jodhani 02/21/2024



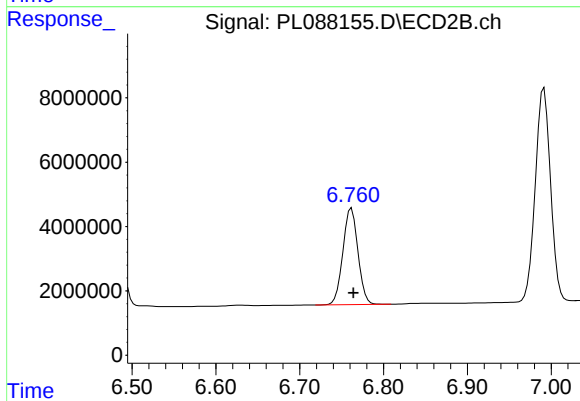
#19 Endosulfan Sulfate

R.T.: 6.479 min  
Delta R.T.: -0.002 min  
Response: 71059033  
Conc: 50.60 ng/ml



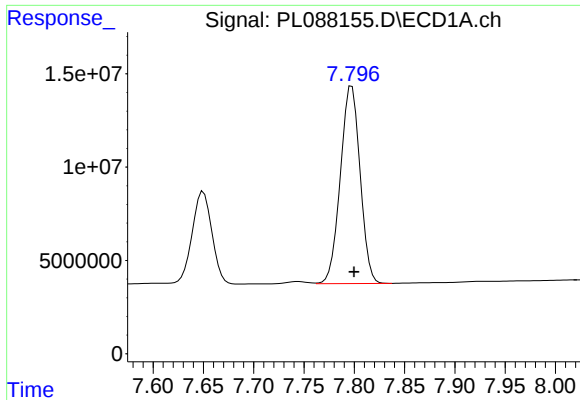
#20 Methoxychlor

R.T.: 7.650 min  
Delta R.T.: -0.003 min  
Response: 66415760  
Conc: 50.17 ng/ml



#20 Methoxychlor

R.T.: 6.762 min  
Delta R.T.: -0.002 min  
Response: 37593835  
Conc: 47.97 ng/ml



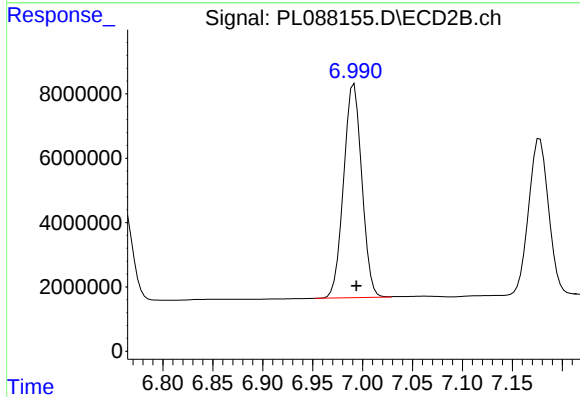
#21 Endrin ketone

R.T.: 7.798 min  
Delta R.T.: -0.002 min  
Response: 144108156  
Conc: 51.45 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
20240765-COMPOSITE-39N-N-3-03MSD

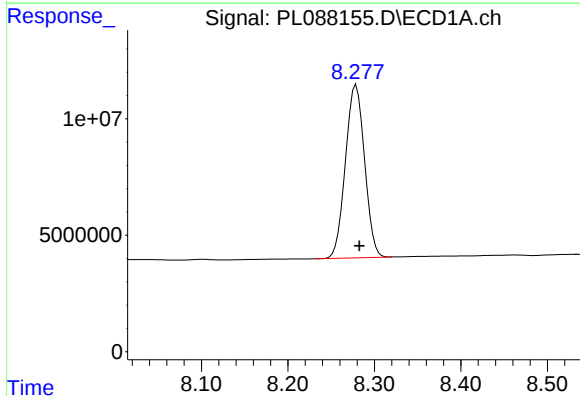
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/21/2024  
Supervised By :Ankita Jodhani 02/21/2024



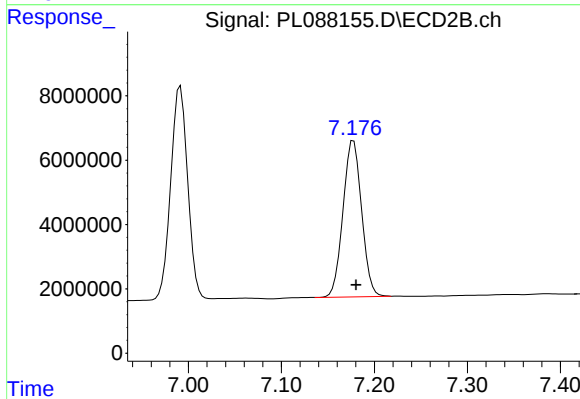
#21 Endrin ketone

R.T.: 6.991 min  
Delta R.T.: -0.002 min  
Response: 84400500  
Conc: 50.41 ng/ml



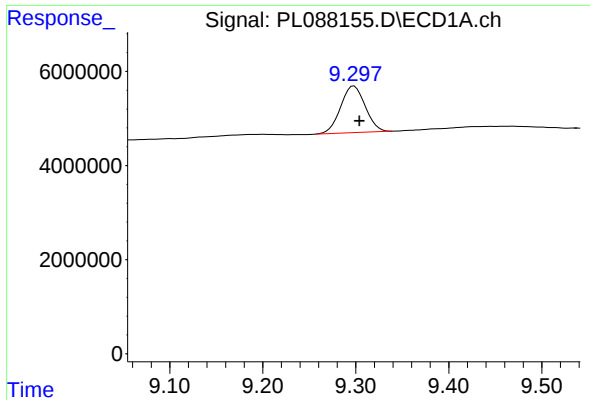
#22 Mirex

R.T.: 8.279 min  
Delta R.T.: -0.004 min  
Response: 113782385  
Conc: 49.10 ng/ml



#22 Mirex

R.T.: 7.176 min  
Delta R.T.: -0.004 min  
Response: 67782539  
Conc: 51.74 ng/ml m



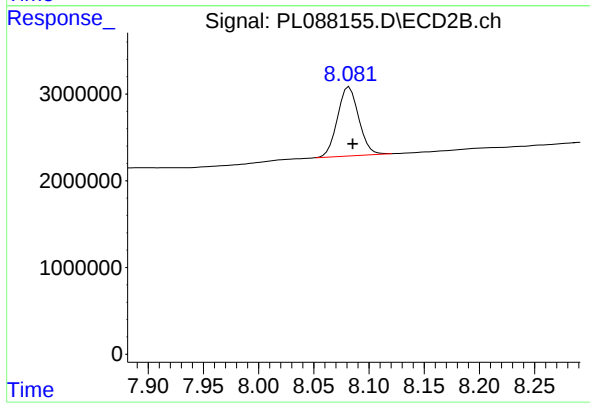
#28 Decachlorobiphenyl

R.T.: 9.298 min  
Delta R.T.: -0.006 min  
Response: 18250523  
Conc: 9.48 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
20240765-COMPOSITE-39N-N-3-03MSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/21/2024  
Supervised By :Ankita Jodhani 02/21/2024



#28 Decachlorobiphenyl

R.T.: 8.082 min  
Delta R.T.: -0.003 min  
Response: 10659532  
Conc: 8.37 ng/ml