

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD062523\  
 Data File : PD076139.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 Jun 2023 01:45  
 Operator : AR\AJ  
 Sample : 03376-06MSD  
 Misc :  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 TW-1MSD

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 06/26/2023  
 Supervised By :Ankita Jodhani 06/26/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jun 26 05:36:48 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD061523.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Jun 16 10:43:19 2023  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 2 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|----------|
| -----                       |                 |       |       |          |          |         |          |
| System Monitoring Compounds |                 |       |       |          |          |         |          |
| 1)                          | SA Tetrachlo... | 3.546 | 2.768 | 36315738 | 17993786 | 17.049  | 16.585   |
| 28)                         | SA Decachlor... | 9.086 | 7.911 | 31238530 | 13590476 | 12.331  | 13.899   |
| Target Compounds            |                 |       |       |          |          |         |          |
| 2)                          | A alpha-BHC     | 4.003 | 3.270 | 214.6E6  | 93157773 | 58.128  | 58.233   |
| 3)                          | MA gamma-BHC... | 4.336 | 3.599 | 196.7E6  | 87204144 | 58.454  | 59.184   |
| 4)                          | MA Heptachlor   | 4.927 | 3.940 | 174.3E6  | 76497553 | 48.590  | 50.365   |
| 5)                          | MB Aldrin       | 5.270 | 4.220 | 165.5E6  | 71859190 | 47.220  | 48.189   |
| 6)                          | B beta-BHC      | 4.532 | 3.896 | 80525570 | 36789897 | 56.009  | 57.718   |
| 7)                          | B delta-BHC     | 4.781 | 4.126 | 192.1E6  | 86840125 | 57.790  | 59.932   |
| 8)                          | B Heptachlo...  | 5.697 | 4.722 | 174.9E6  | 78336902 | 54.279  | 57.029   |
| 9)                          | A Endosulfan I  | 6.084 | 5.092 | 163.7E6  | 73576509 | 54.581  | 57.562   |
| 10)                         | B gamma-Chl...  | 5.954 | 4.972 | 176.3E6  | 78176210 | 54.734  | 56.975   |
| 11)                         | B alpha-Chl...  | 6.033 | 5.037 | 173.1E6  | 77425535 | 53.542  | 56.442   |
| 12)                         | B 4,4'-DDE      | 6.206 | 5.226 | 157.7E6  | 70328483 | 55.159  | 63.009   |
| 13)                         | MA Dieldrin     | 6.359 | 5.357 | 171.0E6  | 78056258 | 54.719  | 57.855   |
| 14)                         | MA Endrin       | 6.590 | 5.632 | 141.2E6  | 70004646 | 52.792  | 57.523   |
| 15)                         | B Endosulfa...  | 6.810 | 5.926 | 135.7E6  | 63815655 | 52.532  | 59.152   |
| 16)                         | A 4,4'-DDD      | 6.724 | 5.780 | 129.2E6  | 60356490 | 56.786  | 68.488   |
| 17)                         | MA 4,4'-DDT     | 7.039 | 6.031 | 130.3E6  | 58321033 | 57.401  | 71.798 # |
| 18)                         | B Endrin al...  | 6.938 | 6.106 | 105.0E6  | 49573422 | 52.333m | 57.278   |
| 19)                         | B Endosulfa...  | 7.174 | 6.329 | 134.6E6  | 63892889 | 53.413  | 59.127   |
| 20)                         | A Methoxychlor  | 7.514 | 6.607 | 69056361 | 32136658 | 53.350  | 69.433 # |
| 21)                         | B Endrin ke...  | 7.661 | 6.835 | 149.6E6  | 72375833 | 53.681  | 59.571   |
| 22)                         | Mirex           | 8.136 | 7.017 | 101.2E6  | 52713545 | 47.227  | 50.289   |
| -----                       |                 |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD062523\  
Data File : PD076139.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Jun 2023 01:45  
Operator : AR\AJ  
Sample : 03376-06MSD  
Misc :  
ALS Vial : 47 Sample Multiplier: 1

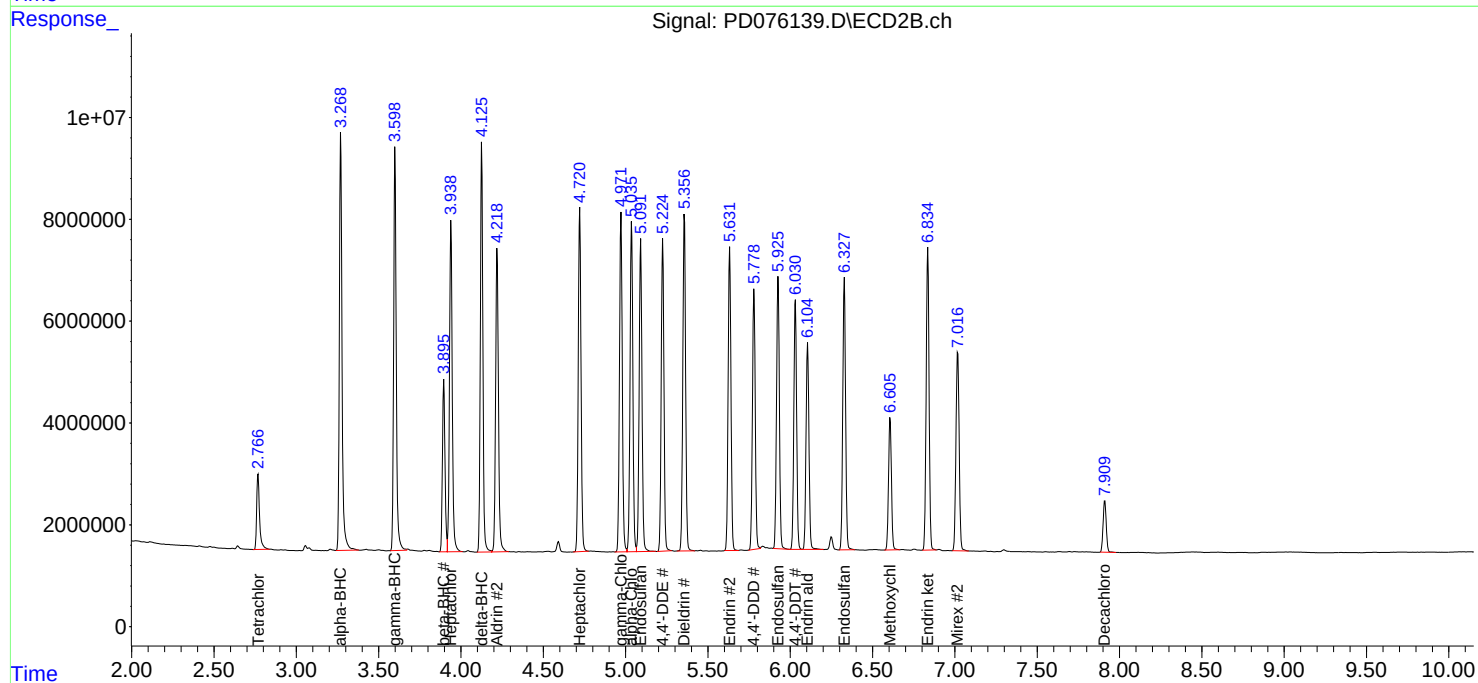
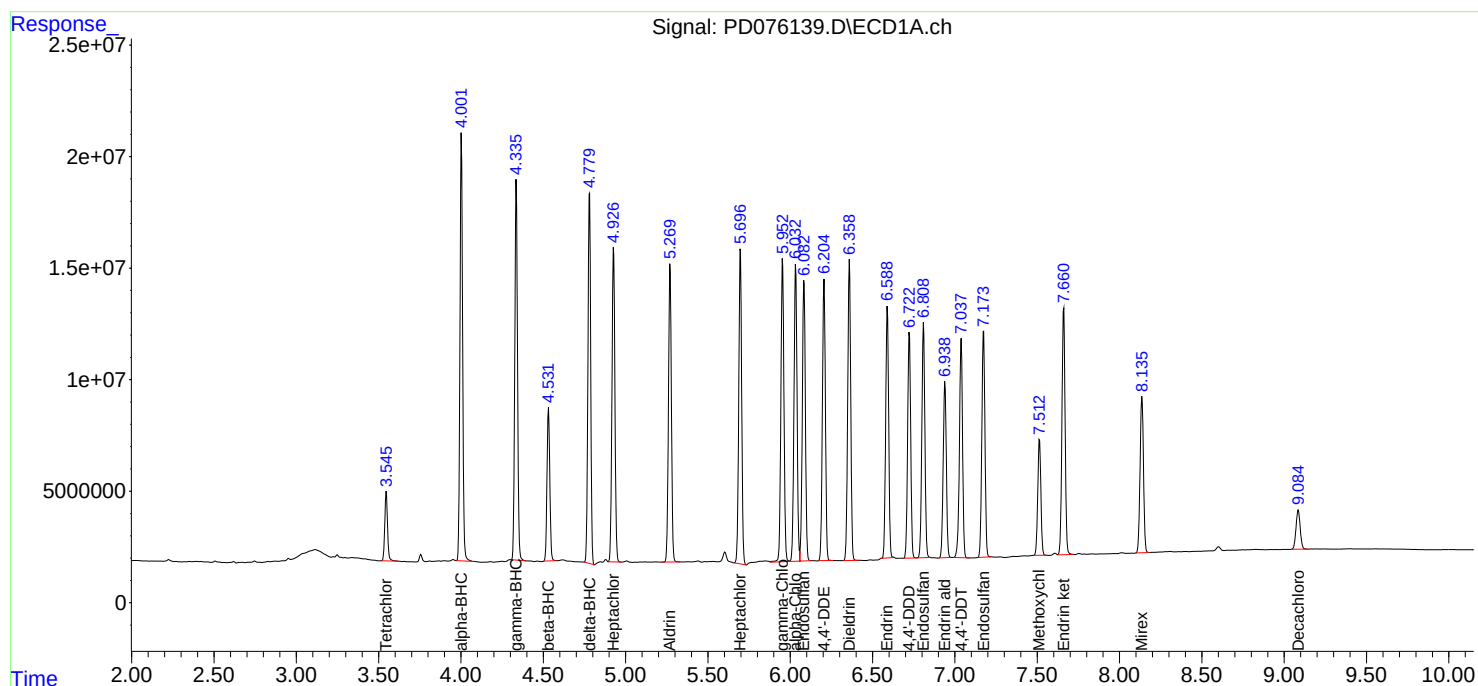
Instrument :  
ECD\_D  
ClientSampleId :  
TW-1MSD

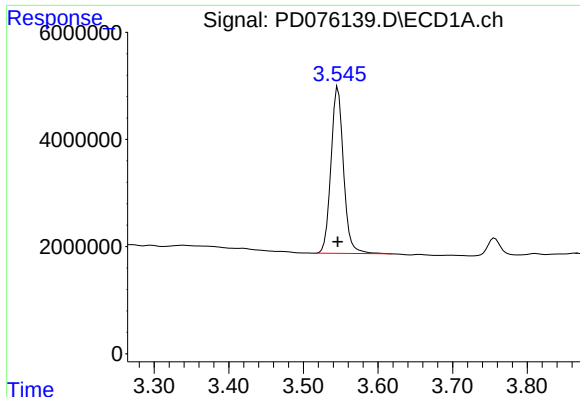
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/26/2023  
Supervised By :Ankita Jodhani 06/26/2023

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jun 26 05:36:48 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD061523.M  
Quant Title : GC Extractables  
QLast Update : Fri Jun 16 10:43:19 2023  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 2 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





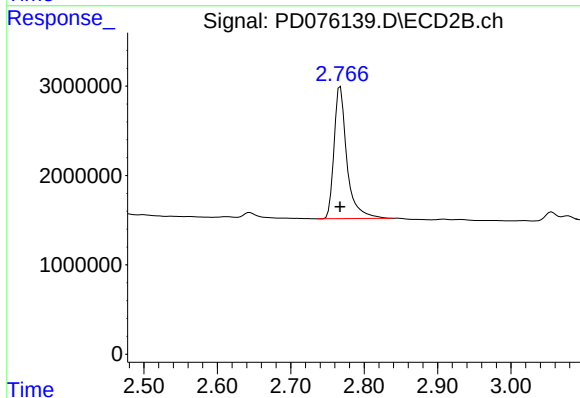
#1 Tetrachloro-m-xylene

R.T.: 3.546 min  
Delta R.T.: 0.000 min  
Response: 36315738  
Conc: 17.05 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TW-1MSD

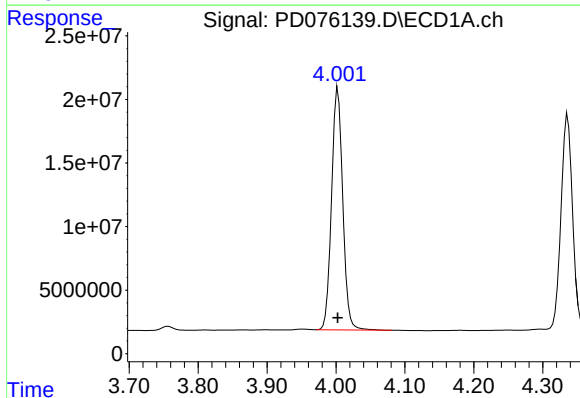
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/26/2023  
Supervised By :Ankita Jodhani 06/26/2023



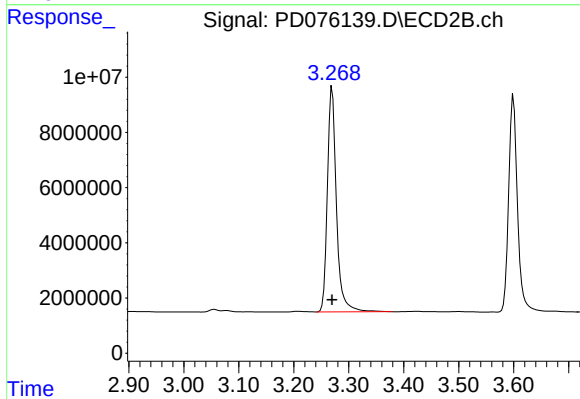
#1 Tetrachloro-m-xylene

R.T.: 2.768 min  
Delta R.T.: 0.000 min  
Response: 17993786  
Conc: 16.59 ng/ml



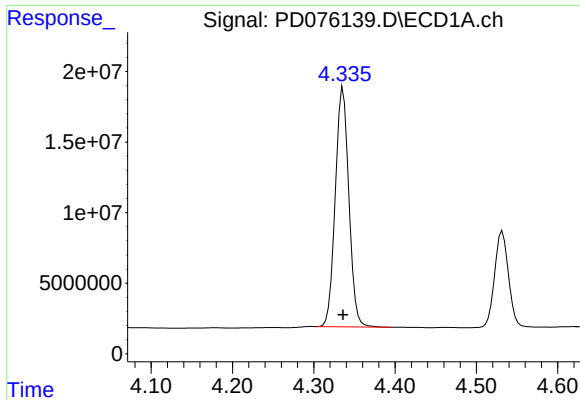
#2 alpha-BHC

R.T.: 4.003 min  
Delta R.T.: 0.000 min  
Response: 214614055  
Conc: 58.13 ng/ml



#2 alpha-BHC

R.T.: 3.270 min  
Delta R.T.: 0.000 min  
Response: 93157773  
Conc: 58.23 ng/ml



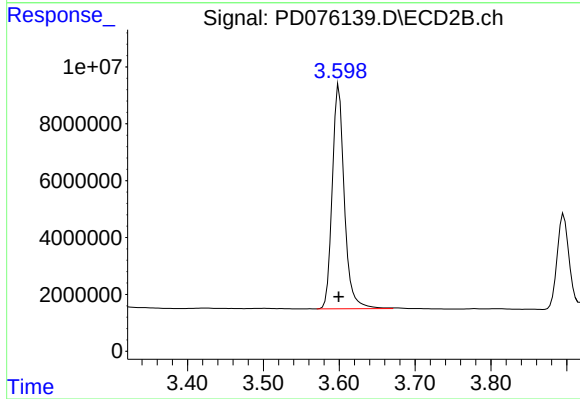
#3 gamma-BHC (Lindane)

R.T.: 4.336 min  
Delta R.T.: 0.000 min  
Response: 196691382  
Conc: 58.45 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TW-1MSD

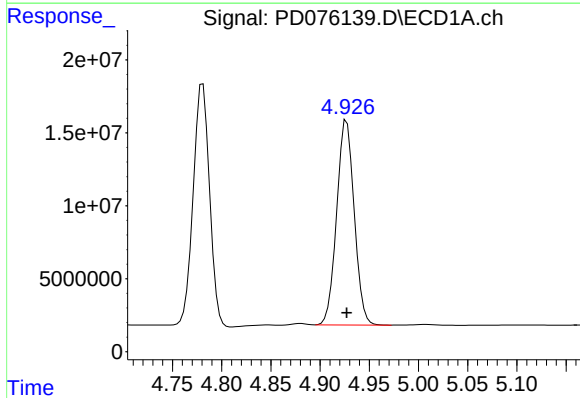
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/26/2023  
Supervised By :Ankita Jodhani 06/26/2023



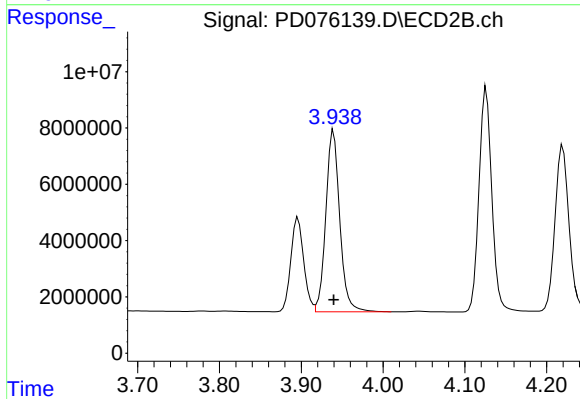
#3 gamma-BHC (Lindane)

R.T.: 3.599 min  
Delta R.T.: 0.000 min  
Response: 87204144  
Conc: 59.18 ng/ml



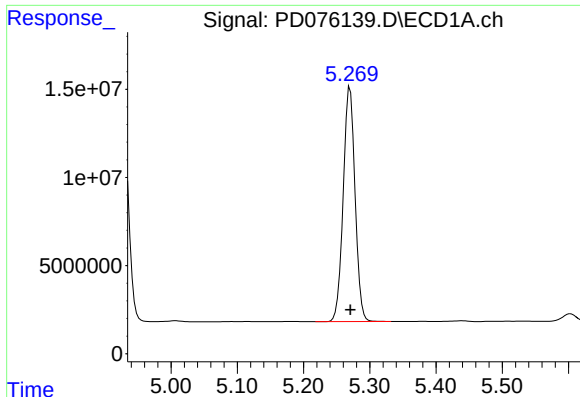
#4 Heptachlor

R.T.: 4.927 min  
Delta R.T.: 0.000 min  
Response: 174271576  
Conc: 48.59 ng/ml



#4 Heptachlor

R.T.: 3.940 min  
Delta R.T.: 0.000 min  
Response: 76497553  
Conc: 50.37 ng/ml



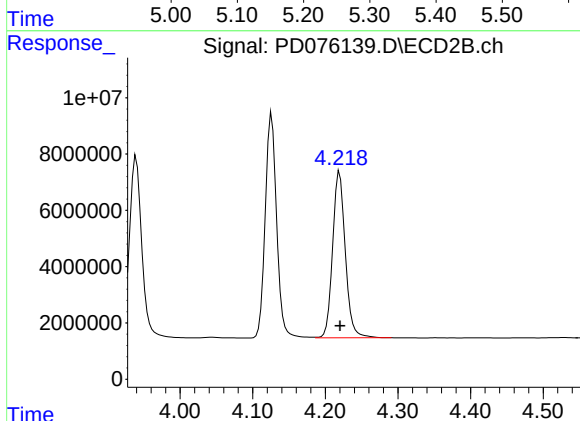
#5 Aldrin

R.T.: 5.270 min  
Delta R.T.: 0.000 min  
Response: 165469758  
Conc: 47.22 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TW-1MSD

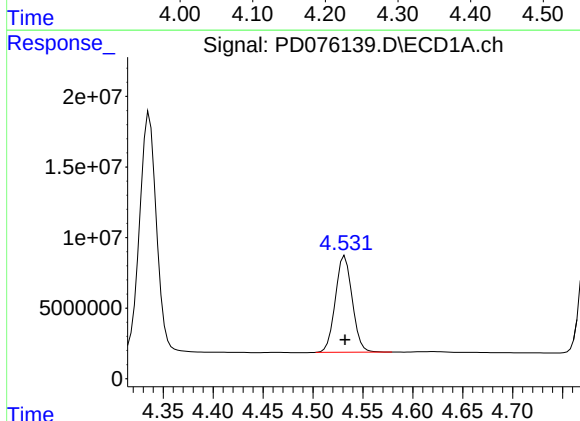
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/26/2023  
Supervised By :Ankita Jodhani 06/26/2023



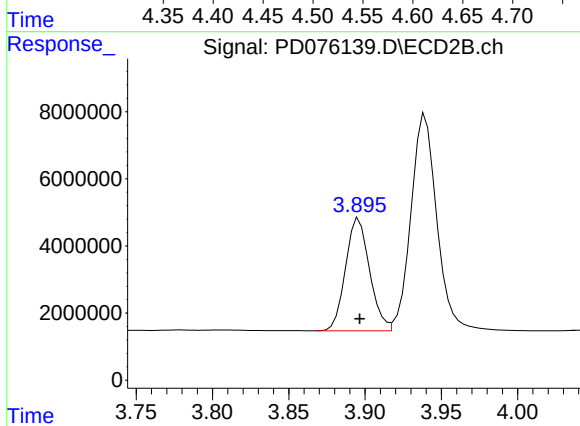
#5 Aldrin

R.T.: 4.220 min  
Delta R.T.: 0.000 min  
Response: 71859190  
Conc: 48.19 ng/ml



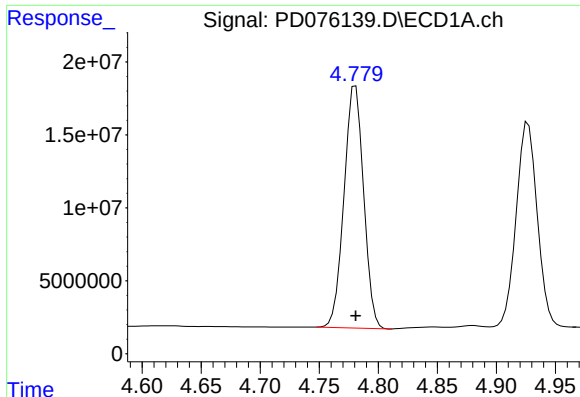
#6 beta-BHC

R.T.: 4.532 min  
Delta R.T.: 0.000 min  
Response: 80525570  
Conc: 56.01 ng/ml



#6 beta-BHC

R.T.: 3.896 min  
Delta R.T.: 0.000 min  
Response: 36789897  
Conc: 57.72 ng/ml



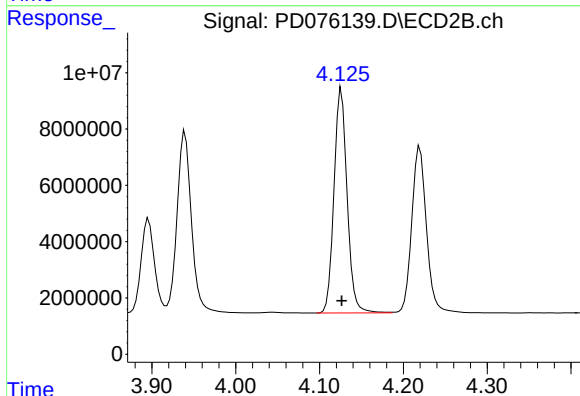
#7 delta-BHC

R.T.: 4.781 min  
Delta R.T.: 0.000 min  
Response: 192075464  
Conc: 57.79 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TW-1MSD

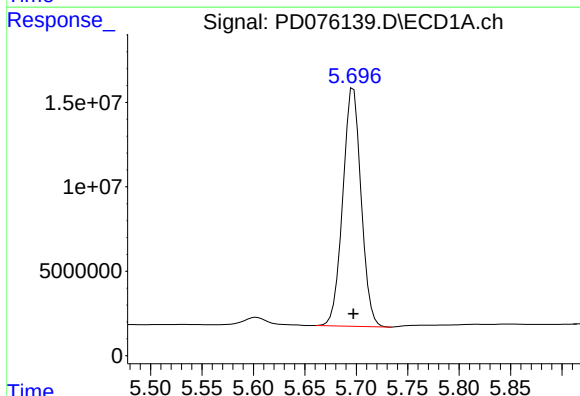
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/26/2023  
Supervised By :Ankita Jodhani 06/26/2023



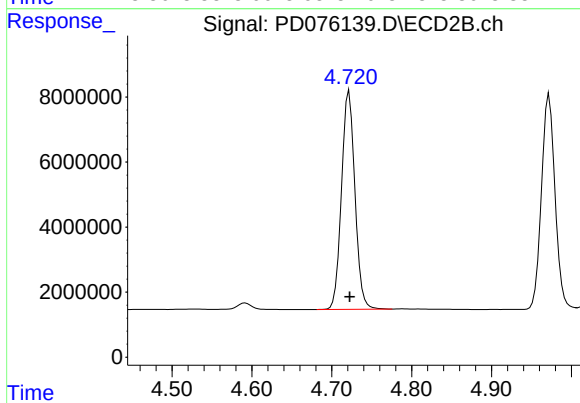
#7 delta-BHC

R.T.: 4.126 min  
Delta R.T.: 0.000 min  
Response: 86840125  
Conc: 59.93 ng/ml



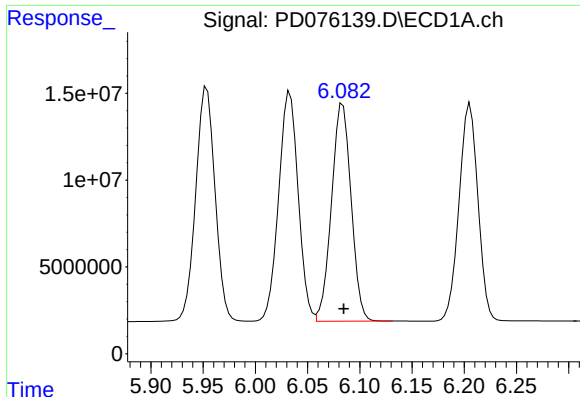
#8 Heptachlor epoxide

R.T.: 5.697 min  
Delta R.T.: 0.000 min  
Response: 174904571  
Conc: 54.28 ng/ml



#8 Heptachlor epoxide

R.T.: 4.722 min  
Delta R.T.: 0.000 min  
Response: 78336902  
Conc: 57.03 ng/ml



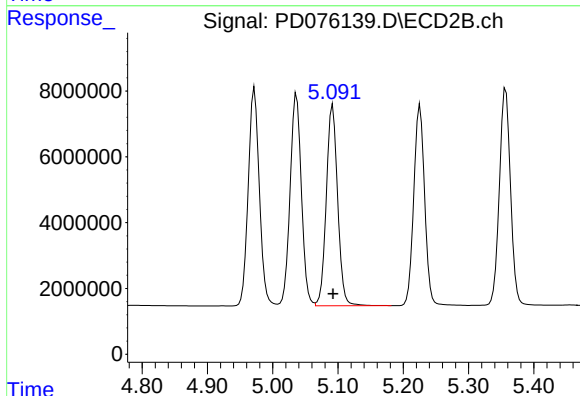
#9 Endosulfan I

R.T.: 6.084 min  
Delta R.T.: 0.000 min  
Response: 163714948  
Conc: 54.58 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TW-1MSD

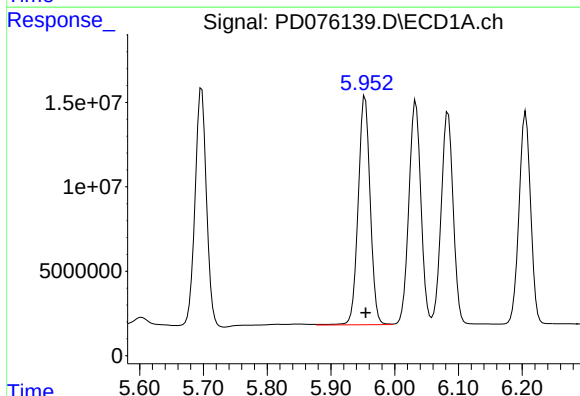
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/26/2023  
Supervised By :Ankita Jodhani 06/26/2023



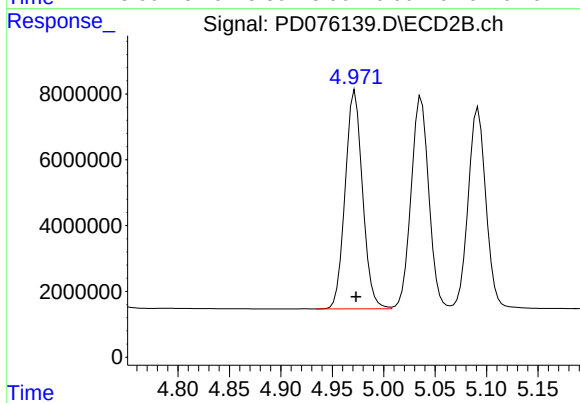
#9 Endosulfan I

R.T.: 5.092 min  
Delta R.T.: 0.000 min  
Response: 73576509  
Conc: 57.56 ng/ml



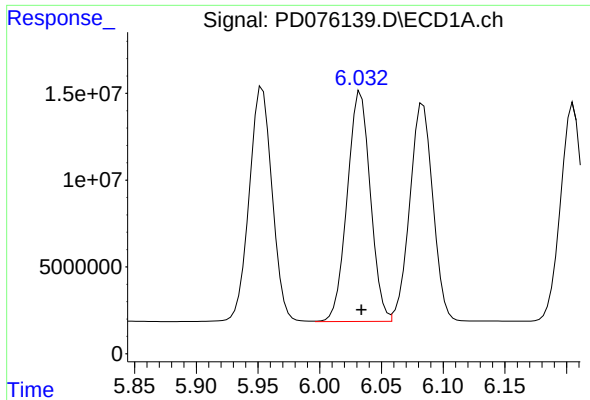
#10 gamma-Chlordane

R.T.: 5.954 min  
Delta R.T.: -0.001 min  
Response: 176315787  
Conc: 54.73 ng/ml



#10 gamma-Chlordane

R.T.: 4.972 min  
Delta R.T.: -0.001 min  
Response: 78176210  
Conc: 56.97 ng/ml



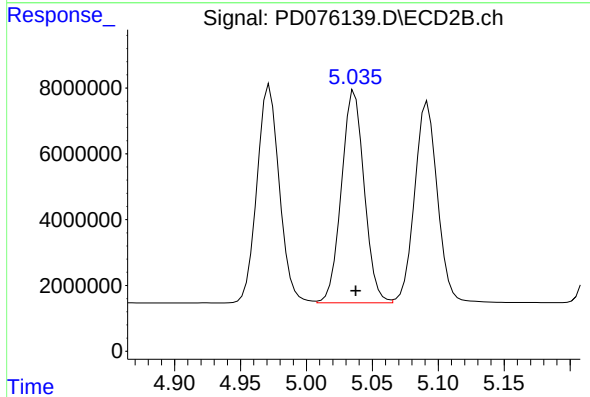
#11 alpha-Chlordane

R.T.: 6.033 min  
Delta R.T.: 0.000 min  
Response: 173095650  
Conc: 53.54 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TW-1MSD

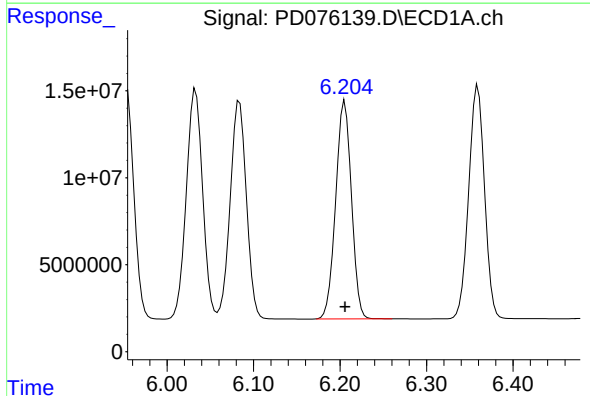
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/26/2023  
Supervised By :Ankita Jodhani 06/26/2023



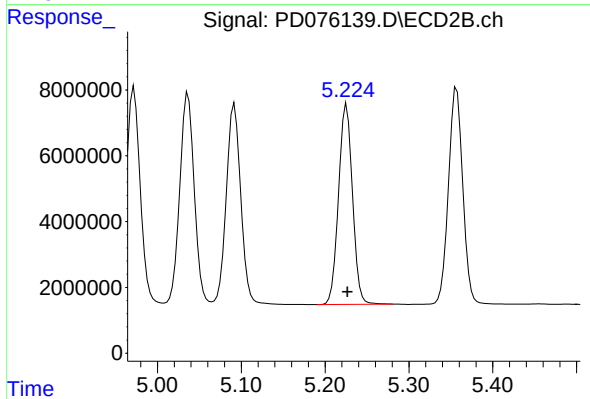
#11 alpha-Chlordane

R.T.: 5.037 min  
Delta R.T.: 0.000 min  
Response: 77425535  
Conc: 56.44 ng/ml



#12 4,4'-DDE

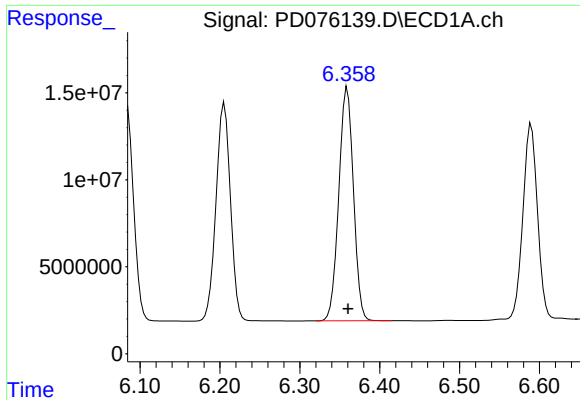
R.T.: 6.206 min  
Delta R.T.: 0.000 min  
Response: 157653309  
Conc: 55.16 ng/ml



#12 4,4'-DDE

R.T.: 5.226 min  
Delta R.T.: 0.000 min  
Response: 70328483  
Conc: 63.01 ng/ml





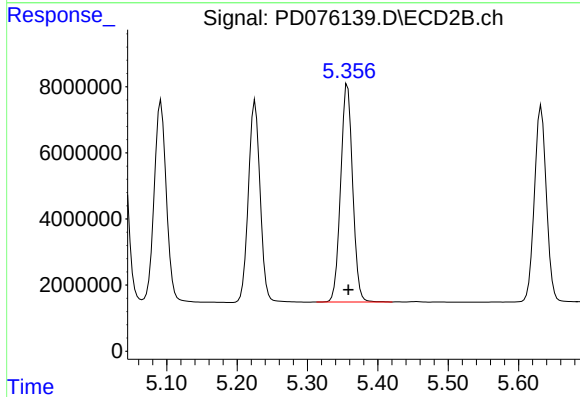
#13 Dieldrin

R.T.: 6.359 min  
Delta R.T.: -0.001 min  
Response: 170996269  
Conc: 54.72 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TW-1MSD

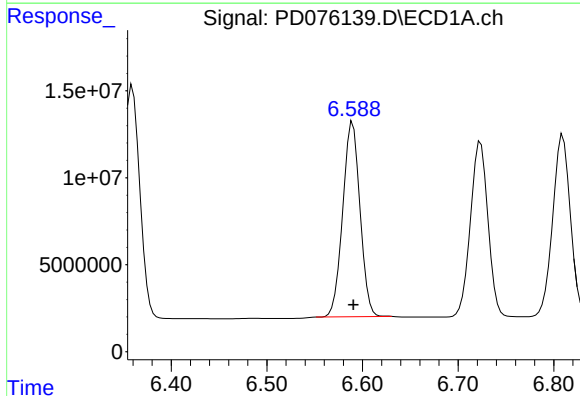
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/26/2023  
Supervised By :Ankita Jodhani 06/26/2023



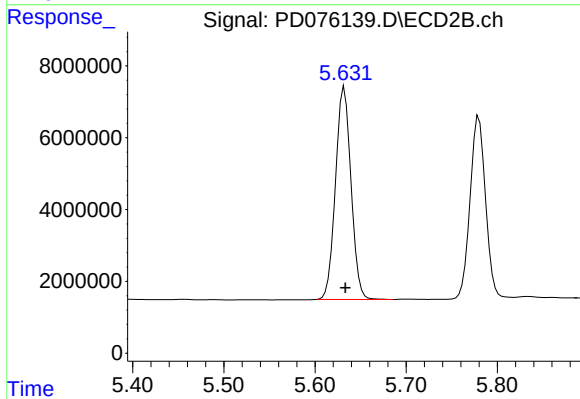
#13 Dieldrin

R.T.: 5.357 min  
Delta R.T.: -0.001 min  
Response: 78056258  
Conc: 57.86 ng/ml



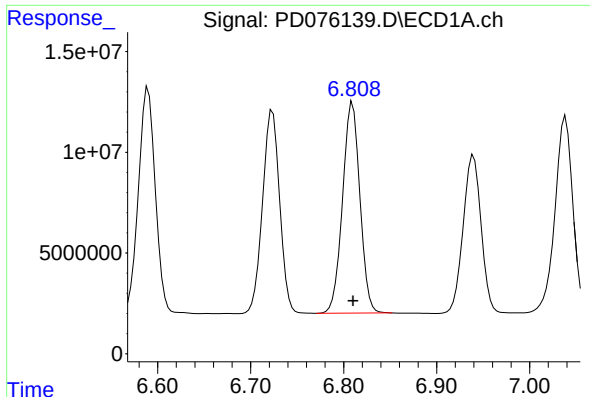
#14 Endrin

R.T.: 6.590 min  
Delta R.T.: 0.000 min  
Response: 141183205  
Conc: 52.79 ng/ml



#14 Endrin

R.T.: 5.632 min  
Delta R.T.: -0.001 min  
Response: 70004646  
Conc: 57.52 ng/ml



#15 Endosulfan II

R.T.: 6.810 min  
Delta R.T.: 0.000 min  
Response: 135723195  
Conc: 52.53 ng/ml

Instrument :

ECD\_D

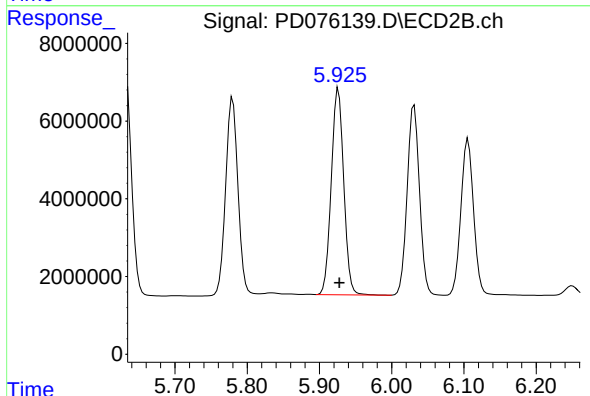
ClientSampleId :

TW-1MSD

Manual Integrations

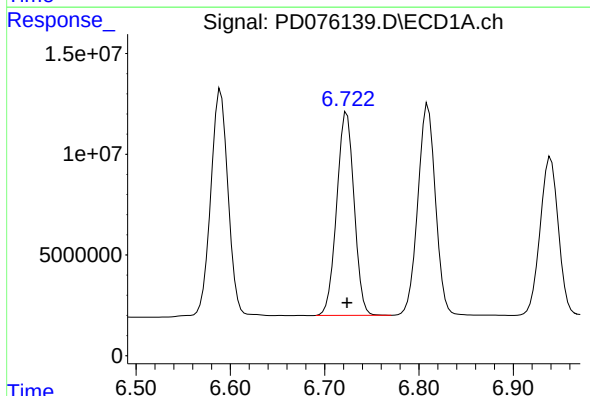
APPROVED

Reviewed By :Abdul Mirza 06/26/2023  
Supervised By :Ankita Jodhani 06/26/2023



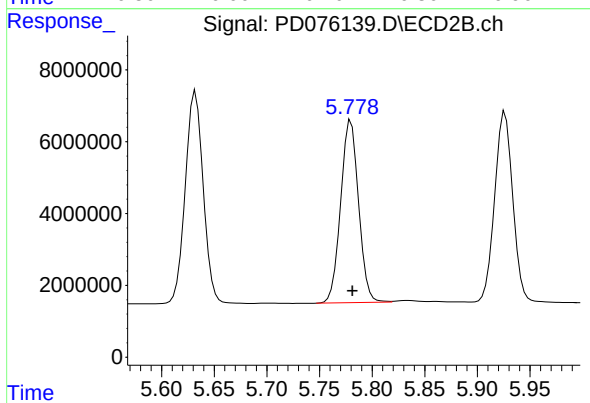
#15 Endosulfan II

R.T.: 5.926 min  
Delta R.T.: -0.002 min  
Response: 63815655  
Conc: 59.15 ng/ml



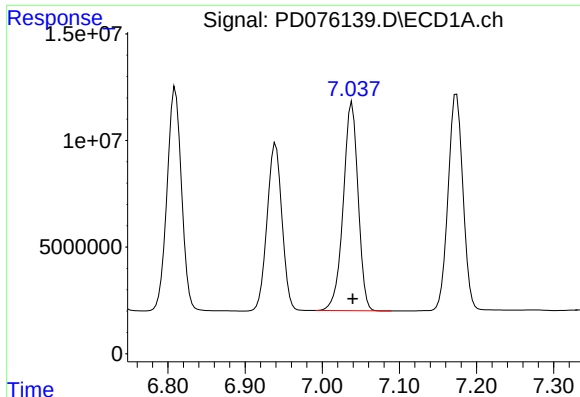
#16 4,4'-DDD

R.T.: 6.724 min  
Delta R.T.: 0.000 min  
Response: 129223677  
Conc: 56.79 ng/ml



#16 4,4'-DDD

R.T.: 5.780 min  
Delta R.T.: -0.001 min  
Response: 60356490  
Conc: 68.49 ng/ml



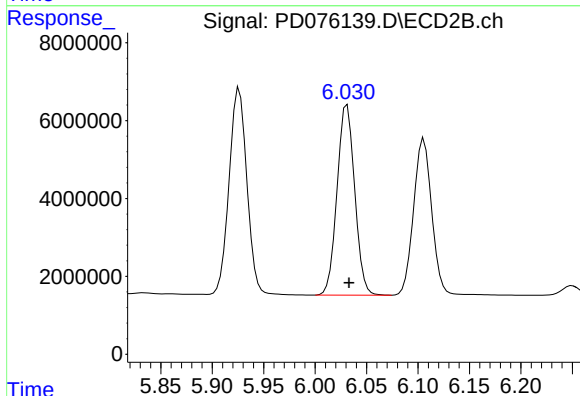
#17 4,4'-DDT

R.T.: 7.039 min  
Delta R.T.: 0.000 min  
Response: 130256865  
Conc: 57.40 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TW-1MSD

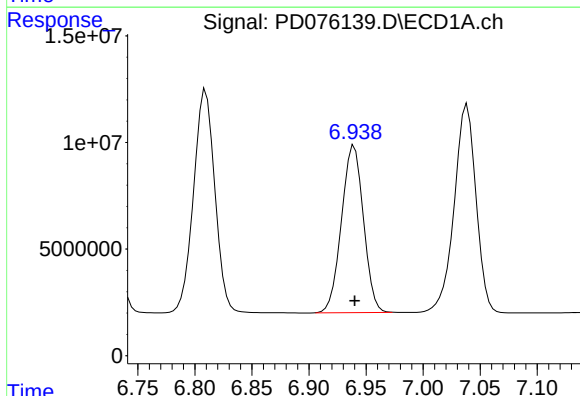
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/26/2023  
Supervised By :Ankita Jodhani 06/26/2023



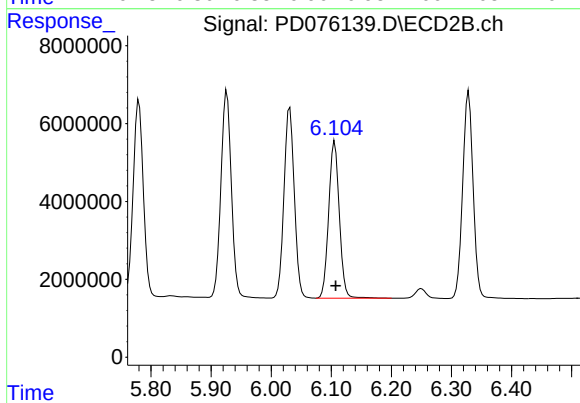
#17 4,4'-DDT

R.T.: 6.031 min  
Delta R.T.: -0.002 min  
Response: 58321033  
Conc: 71.80 ng/ml



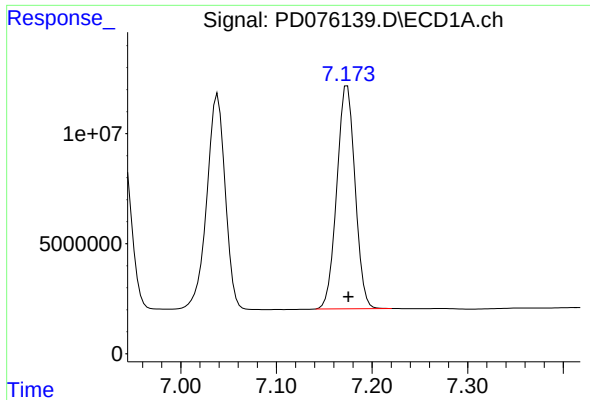
#18 Endrin aldehyde

R.T.: 6.938 min  
Delta R.T.: -0.002 min  
Response: 105011393  
Conc: 52.33 ng/ml m



#18 Endrin aldehyde

R.T.: 6.106 min  
Delta R.T.: -0.002 min  
Response: 49573422  
Conc: 57.28 ng/ml



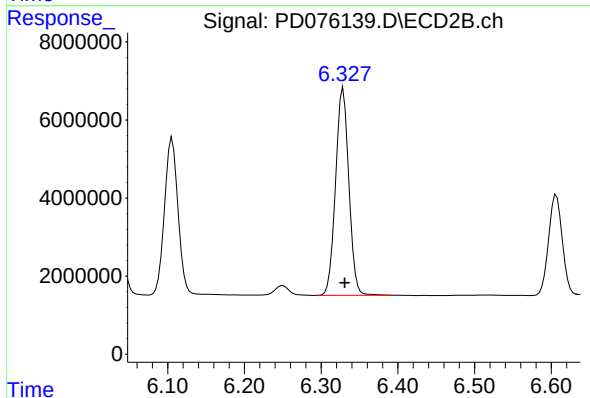
#19 Endosulfan Sulfate

R.T.: 7.174 min  
Delta R.T.: -0.001 min  
Response: 134565922  
Conc: 53.41 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TW-1MSD

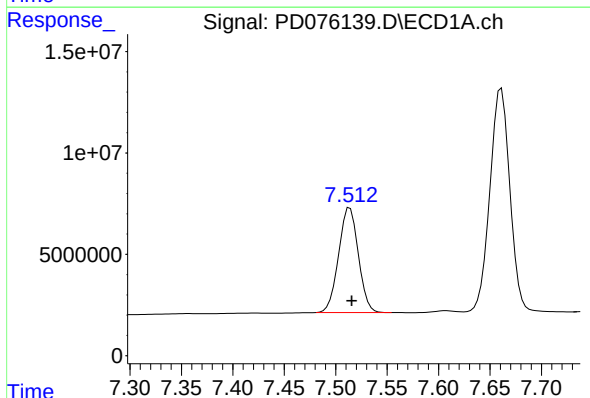
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/26/2023  
Supervised By :Ankita Jodhani 06/26/2023



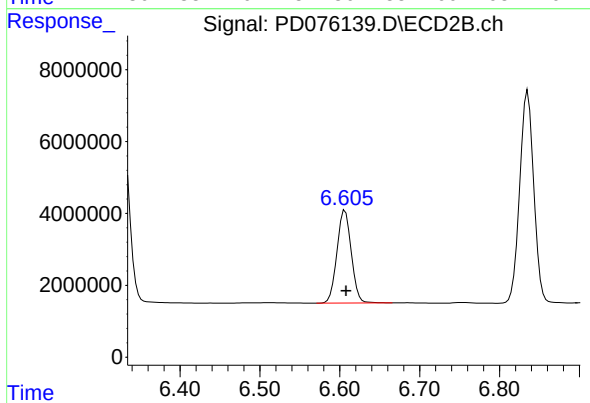
#19 Endosulfan Sulfate

R.T.: 6.329 min  
Delta R.T.: -0.002 min  
Response: 63892889  
Conc: 59.13 ng/ml



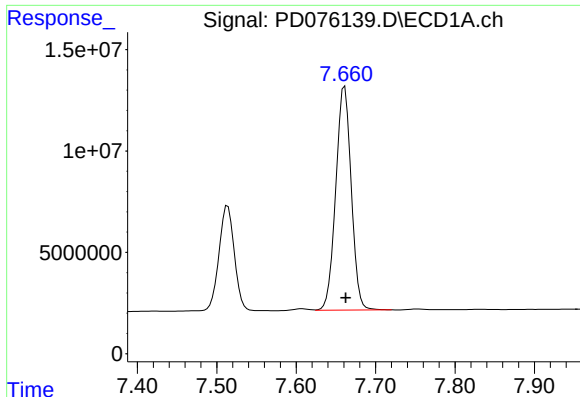
#20 Methoxychlor

R.T.: 7.514 min  
Delta R.T.: -0.002 min  
Response: 69056361  
Conc: 53.35 ng/ml



#20 Methoxychlor

R.T.: 6.607 min  
Delta R.T.: -0.001 min  
Response: 32136658  
Conc: 69.43 ng/ml



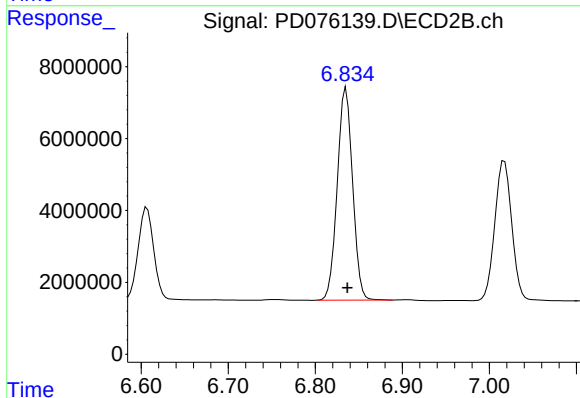
#21 Endrin ketone

R.T.: 7.661 min  
Delta R.T.: -0.001 min  
Response: 149552224  
Conc: 53.68 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TW-1MSD

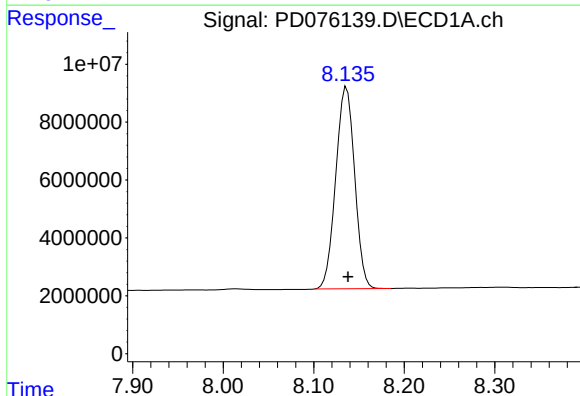
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/26/2023  
Supervised By :Ankita Jodhani 06/26/2023



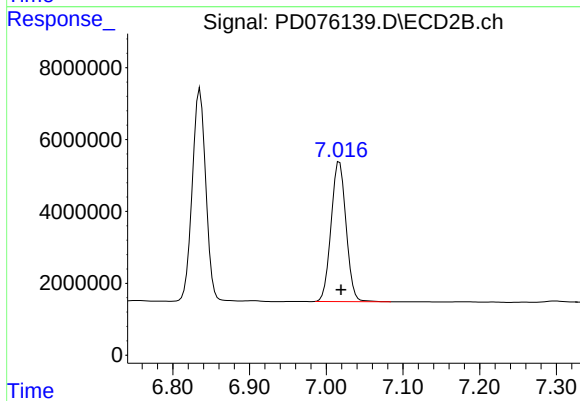
#21 Endrin ketone

R.T.: 6.835 min  
Delta R.T.: -0.002 min  
Response: 72375833  
Conc: 59.57 ng/ml



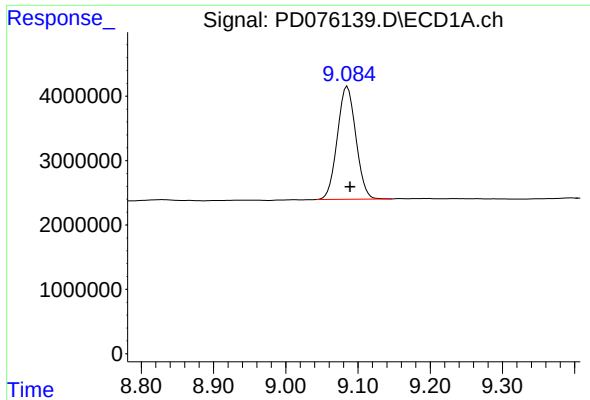
#22 Mirex

R.T.: 8.136 min  
Delta R.T.: -0.002 min  
Response: 101186245  
Conc: 47.23 ng/ml



#22 Mirex

R.T.: 7.017 min  
Delta R.T.: -0.002 min  
Response: 52713545  
Conc: 50.29 ng/ml



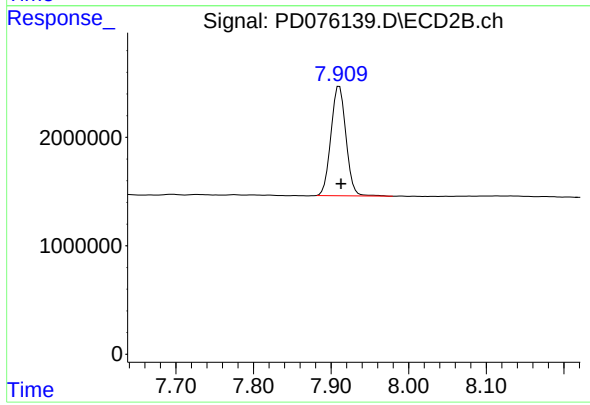
#28 Decachlorobiphenyl

R.T.: 9.086 min  
Delta R.T.: -0.004 min  
Response: 31238530  
Conc: 12.33 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TW-1MSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/26/2023  
Supervised By :Ankita Jodhani 06/26/2023



#28 Decachlorobiphenyl

R.T.: 7.911 min  
Delta R.T.: -0.002 min  
Response: 13590476  
Conc: 13.90 ng/ml