

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL082624\  
 Data File : PL091333.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 27 Aug 2024 06:55  
 Operator : AR\AJ  
 Sample : P3726-01MS 10X  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 MOO-SOIL-PILE

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 08/27/2024  
 Supervised By :mohammad ahmed 08/28/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 27 09:06:22 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL081324.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Aug 14 13:09:19 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...          | 3.543  | 2.784  | 4270440  | 4293049  | 1.989m  | 2.199m   |
| 2) SA Decachlor...          | 9.037f | 7.906f | 38343794 | 25941918 | 25.151m | 13.696 # |
| Target Compounds            |        |        |          |          |         |          |
| 2) A alpha-BHC              | 3.999  | 3.286  | 16106644 | 12801138 | 5.373   | 4.616m   |
| 3) MA gamma-BHC...          | 4.329  | 3.618  | 24470523 | 18221214 | 8.530m  | 6.918m   |
| 4) MA Heptachlor            | 4.920  | 3.957  | 15812523 | 14822518 | 5.938   | 5.739    |
| 5) MB Aldrin                | 5.260  | 4.237  | 15869628 | 13318269 | 6.149m  | 5.416    |
| 6) B beta-BHC               | 4.528  | 3.918  | 8474353  | 11262954 | 6.266m  | 9.569 #  |
| 7) B delta-BHC              | 4.774  | 4.146  | 19807192 | 13444515 | 7.275   | 5.305 #  |
| 8) B Heptachlo...           | 5.686  | 4.740  | 20649428 | 12265438 | 8.440   | 5.440 #  |
| 9) A Endosulfan I           | 6.071  | 5.112  | 12879439 | 5361670  | 5.736m  | 2.541 #  |
| 10) B gamma-Chl...          | 5.940  | 4.990  | 20029227 | 16359554 | 8.289m  | 6.920    |
| 11) B alpha-Chl...          | 6.020  | 5.053  | 16634351 | 17833344 | 6.909m  | 7.580    |
| 12) B 4,4'-DDE              | 6.192  | 5.241  | 5003218  | 13969757 | 2.391m  | 6.686m#  |
| 13) MA Dieldrin             | 6.345  | 5.376  | 16904827 | 31990586 | 7.178m  | 14.046 # |
| 14) MA Endrin               | 6.575  | 5.649  | 12256372 | 21080368 | 6.320m  | 10.348 # |
| 15) B Endosulfa...          | 6.795  | 5.944  | 12466859 | 19913842 | 6.161   | 10.293m# |
| 16) A 4,4'-DDD              | 6.707  | 5.796  | 29090395 | 12303791 | 19.248m | 7.453 #  |
| 17) MA 4,4'-DDT             | 7.024  | 6.046  | 27120513 | 29839807 | 15.279m | 16.798   |
| 18) B Endrin al...          | 6.924  | 6.122  | 10178032 | 14402840 | 6.376m  | 9.246 #  |
| 19) B Endosulfa...          | 7.158  | 6.344  | 7784879  | 12697107 | 4.057m  | 6.586m#  |
| 20) A Methoxychlor          | 7.498  | 6.620  | 4082365  | 2068416  | 4.342m  | 2.083m#  |
| 21) B Endrin ke...          | 7.640  | 6.849  | 32843085 | 10257840 | 15.642m | 4.710 #  |
| 22) Mirex                   | 8.121  | 7.030  | 13769363 | 12813463 | 8.094   | 6.865    |
| -----                       |        |        |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL082624\  
Data File : PL091333.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 27 Aug 2024 06:55  
Operator : AR\AJ  
Sample : P3726-01MS 10X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

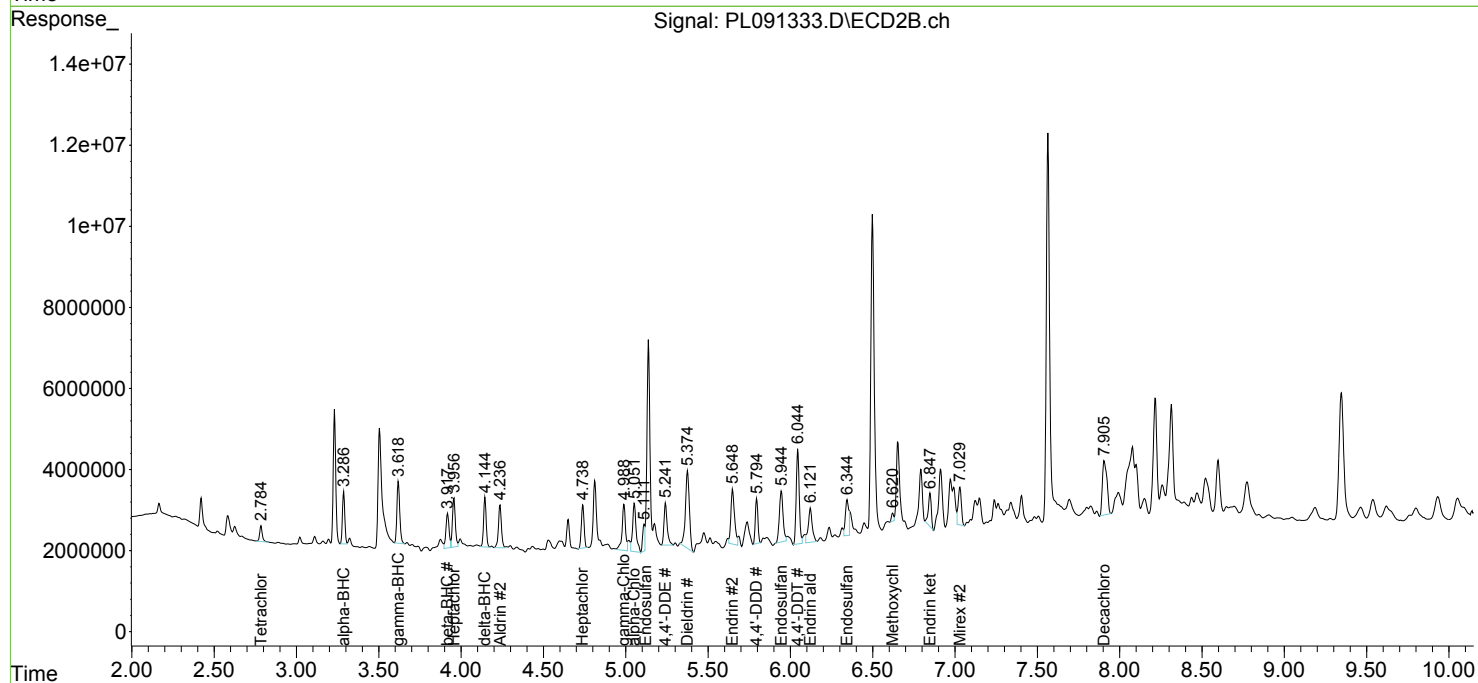
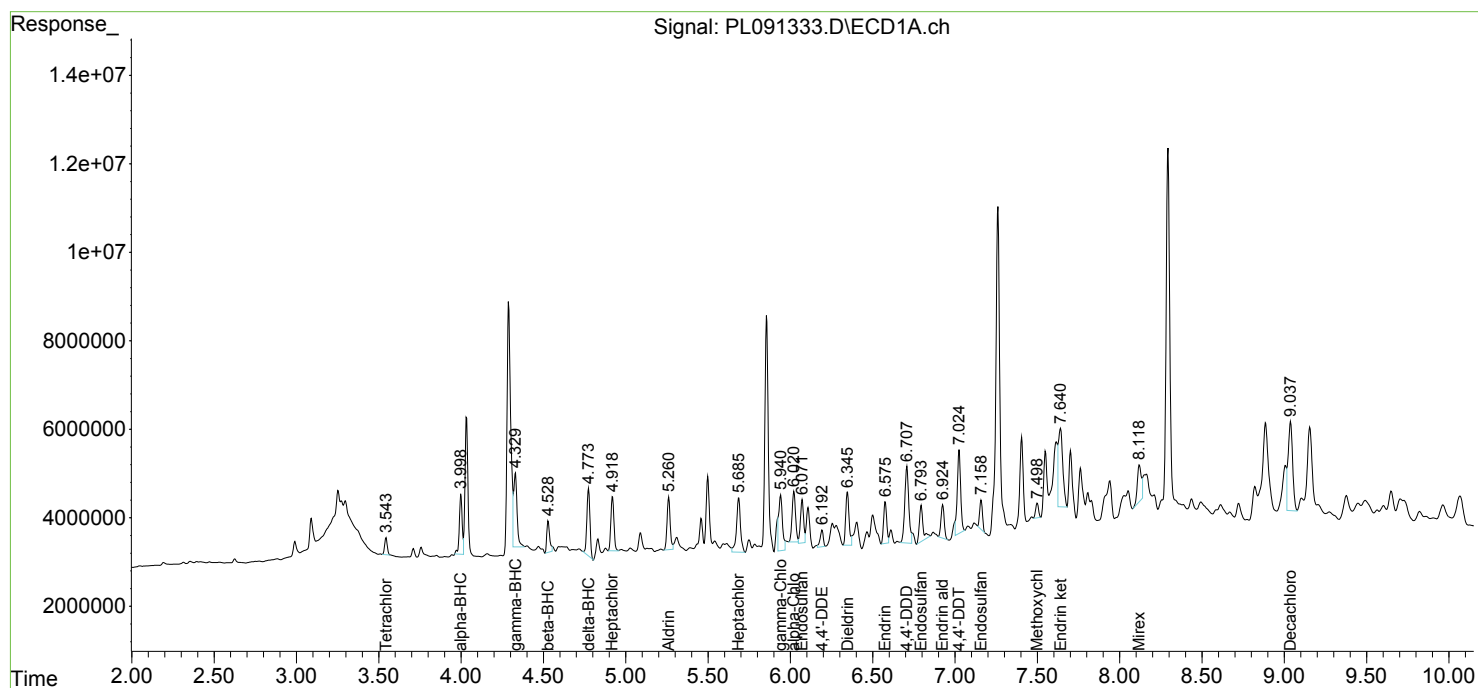
Instrument :  
ECD\_L  
ClientSampleId :  
MOO-SOIL-PILE

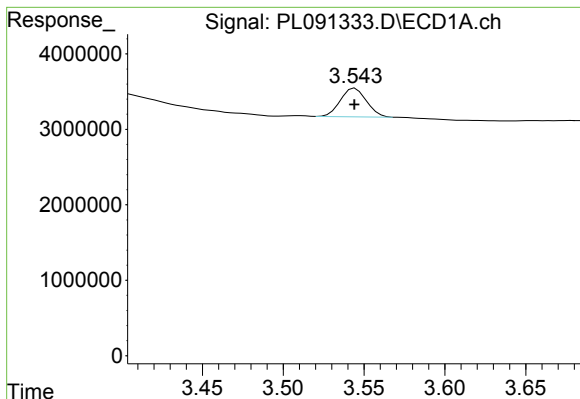
Manual Integrations  
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Supervised By : mohammad ahmed 08/28/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Aug 27 09:06:22 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL081324.M  
Quant Title : GC Extractables  
QLast Update : Wed Aug 14 13:09:19 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





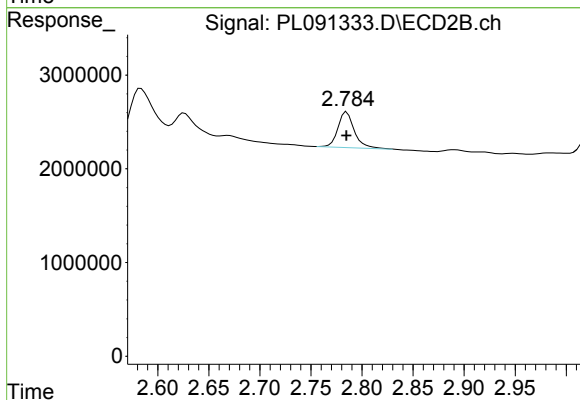
#1 Tetrachloro-m-xylene

R.T.: 3.543 min  
Delta R.T.: 0.000 min  
Response: 4270440  
Conc: 1.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MOO-SOIL-PILE

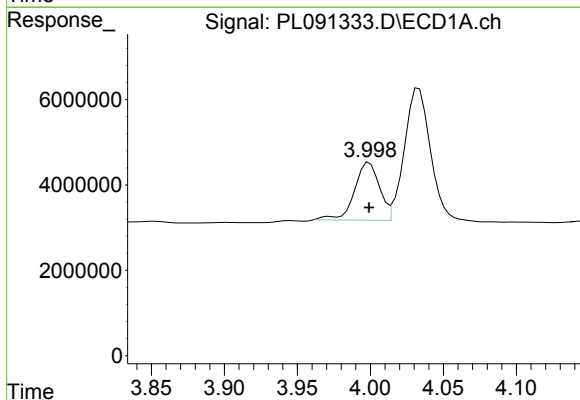
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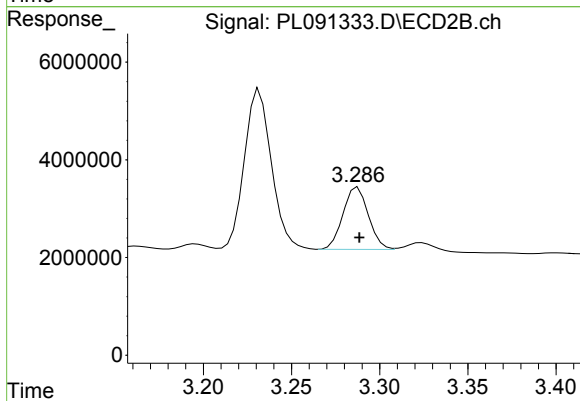
#1 Tetrachloro-m-xylene

R.T.: 2.784 min  
Delta R.T.: -0.001 min  
Response: 4293049  
Conc: 2.20 ng/ml m



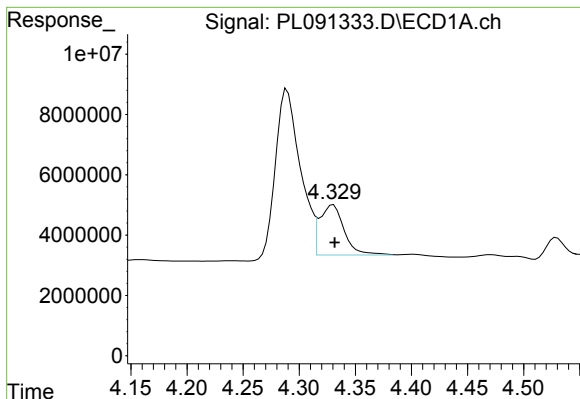
#2 alpha-BHC

R.T.: 3.999 min  
Delta R.T.: 0.000 min  
Response: 16106644  
Conc: 5.37 ng/ml



#2 alpha-BHC

R.T.: 3.286 min  
Delta R.T.: -0.002 min  
Response: 12801138  
Conc: 4.62 ng/ml m



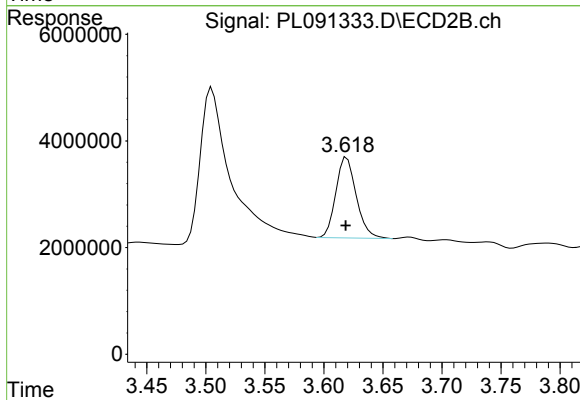
#3 gamma-BHC (Lindane)

R.T.: 4.329 min  
Delta R.T.: -0.003 min  
Response: 24470523  
Conc: 8.53 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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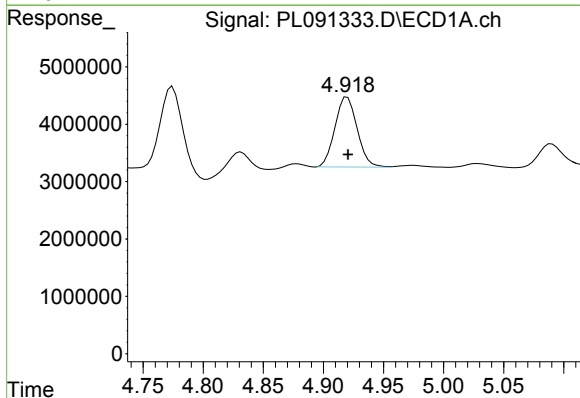
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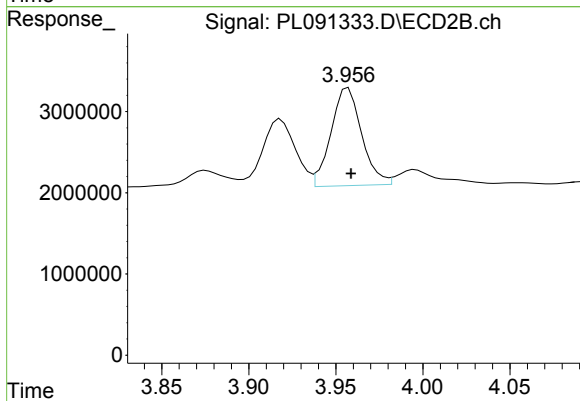
#3 gamma-BHC (Lindane)

R.T.: 3.618 min  
Delta R.T.: 0.000 min  
Response: 18221214  
Conc: 6.92 ng/ml m



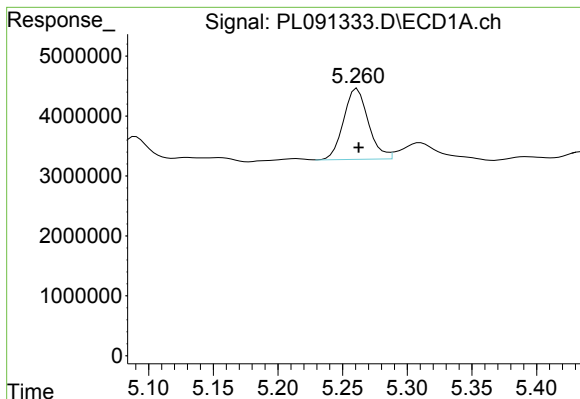
#4 Heptachlor

R.T.: 4.920 min  
Delta R.T.: 0.000 min  
Response: 15812523  
Conc: 5.94 ng/ml



#4 Heptachlor

R.T.: 3.957 min  
Delta R.T.: -0.002 min  
Response: 14822518  
Conc: 5.74 ng/ml



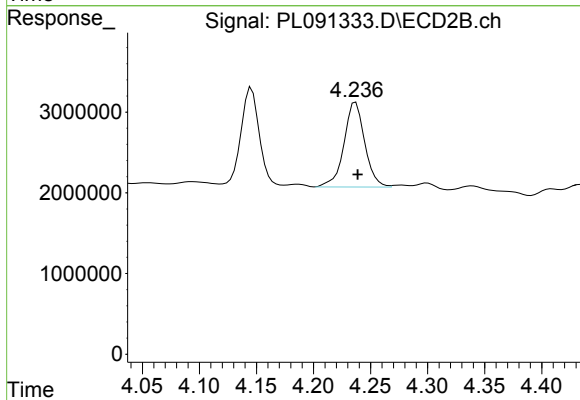
#5 Aldrin

R.T.: 5.260 min  
Delta R.T.: -0.002 min  
Response: 15869628  
Conc: 6.15 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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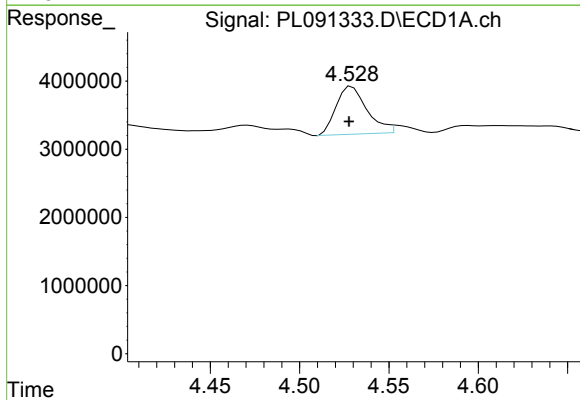
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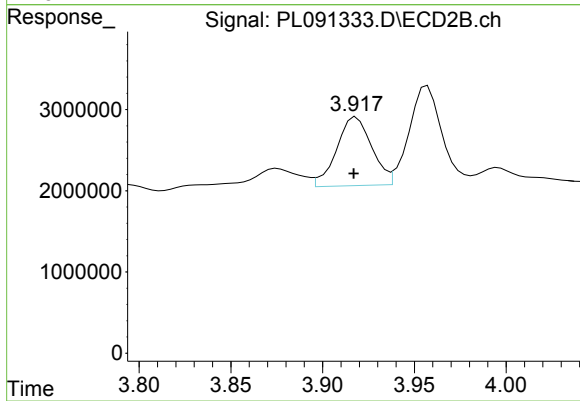
#5 Aldrin

R.T.: 4.237 min  
Delta R.T.: -0.002 min  
Response: 13318269  
Conc: 5.42 ng/ml



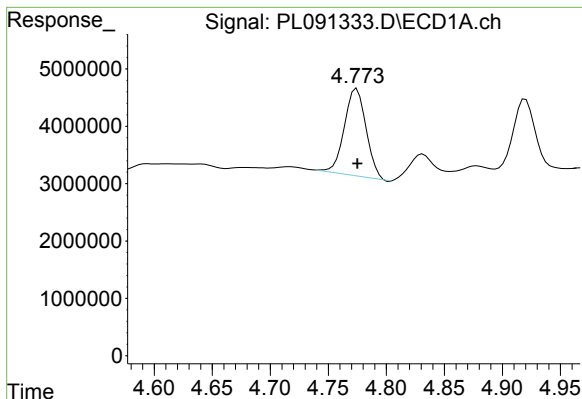
#6 beta-BHC

R.T.: 4.528 min  
Delta R.T.: 0.000 min  
Response: 8474353  
Conc: 6.27 ng/ml m



#6 beta-BHC

R.T.: 3.918 min  
Delta R.T.: 0.001 min  
Response: 11262954  
Conc: 9.57 ng/ml



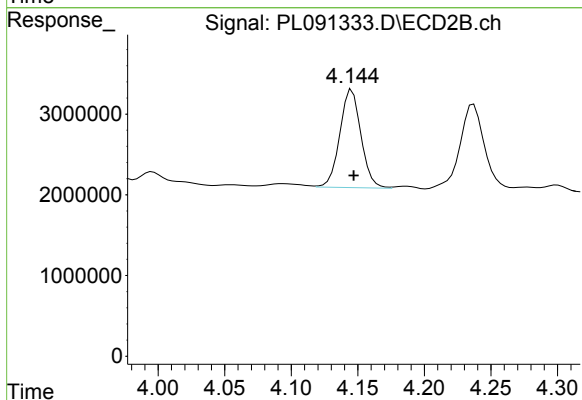
#7 delta-BHC

R.T.: 4.774 min  
Delta R.T.: 0.000 min  
Response: 19807192  
Conc: 7.28 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MOO-SOIL-PILE

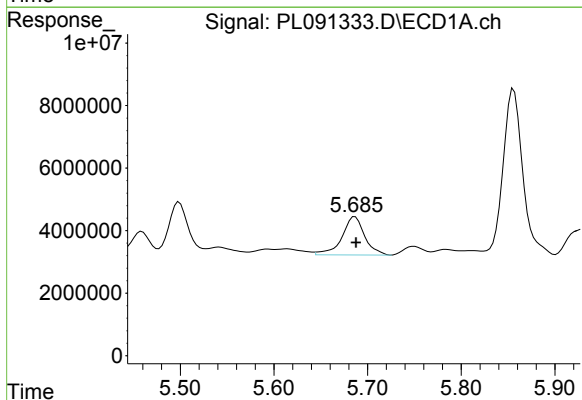
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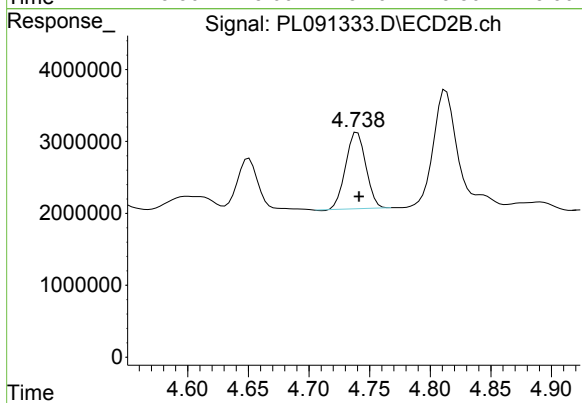
#7 delta-BHC

R.T.: 4.146 min  
Delta R.T.: -0.001 min  
Response: 13444515  
Conc: 5.31 ng/ml



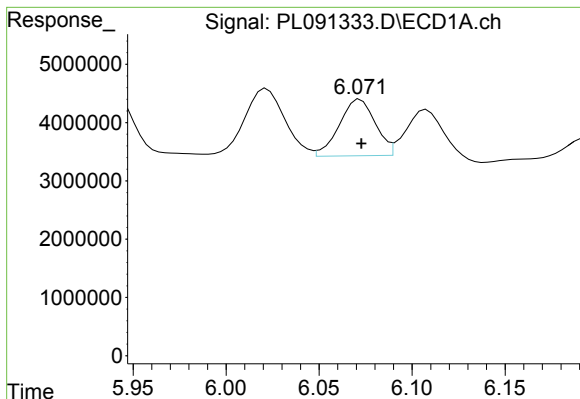
#8 Heptachlor epoxide

R.T.: 5.686 min  
Delta R.T.: -0.001 min  
Response: 20649428  
Conc: 8.44 ng/ml



#8 Heptachlor epoxide

R.T.: 4.740 min  
Delta R.T.: -0.001 min  
Response: 12265438  
Conc: 5.44 ng/ml



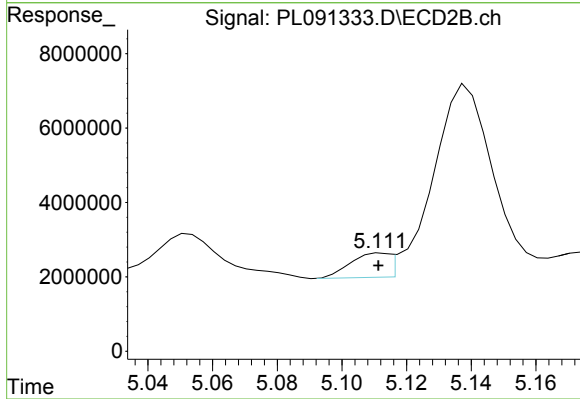
#9 Endosulfan I

R.T.: 6.071 min  
Delta R.T.: -0.002 min  
Response: 12879439  
Conc: 5.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MOO-SOIL-PILE

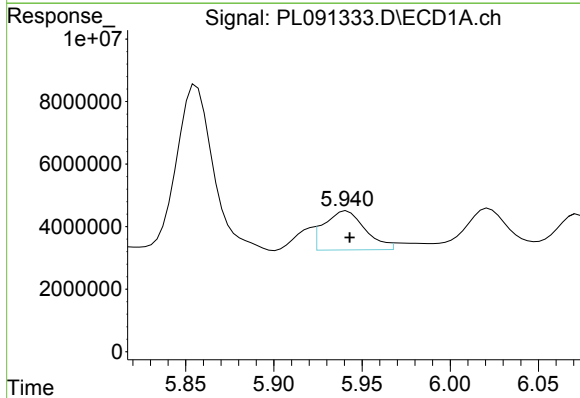
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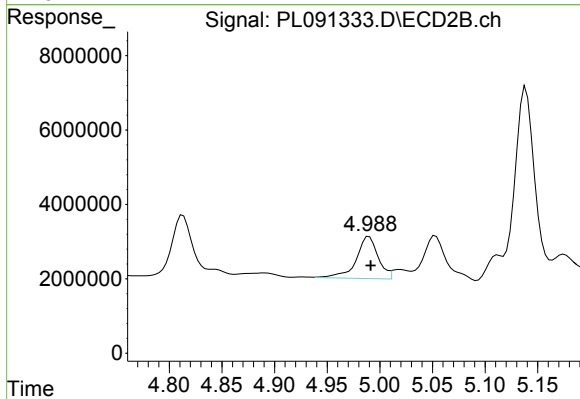
#9 Endosulfan I

R.T.: 5.112 min  
Delta R.T.: 0.001 min  
Response: 5361670  
Conc: 2.54 ng/ml



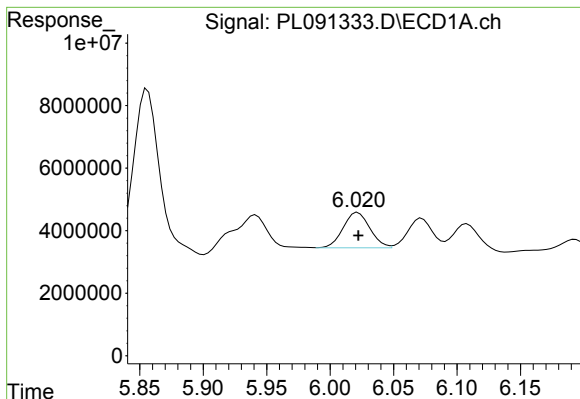
#10 gamma-Chlordane

R.T.: 5.940 min  
Delta R.T.: -0.003 min  
Response: 20029227  
Conc: 8.29 ng/ml m



#10 gamma-Chlordane

R.T.: 4.990 min  
Delta R.T.: -0.002 min  
Response: 16359554  
Conc: 6.92 ng/ml



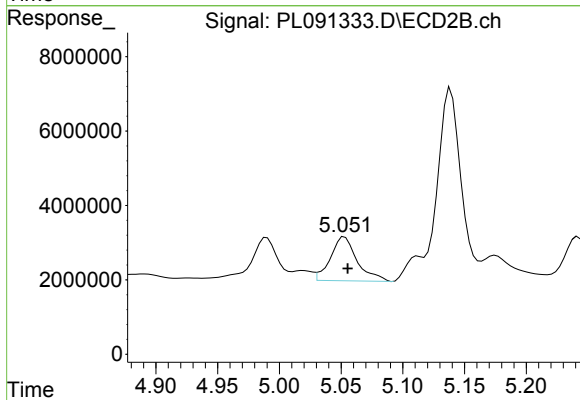
#11 alpha-Chlordane

R.T.: 6.020 min  
Delta R.T.: -0.002 min  
Response: 16634351  
Conc: 6.91 ng/ml

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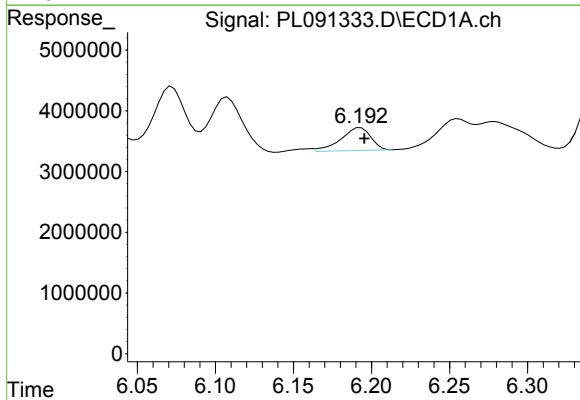
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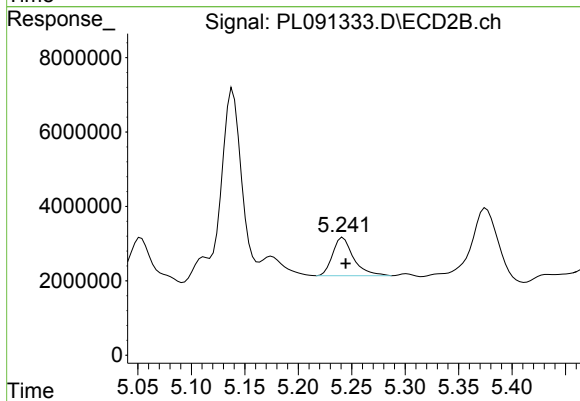
#11 alpha-Chlordane

R.T.: 5.053 min  
Delta R.T.: -0.002 min  
Response: 17833344  
Conc: 7.58 ng/ml



#12 4,4'-DDE

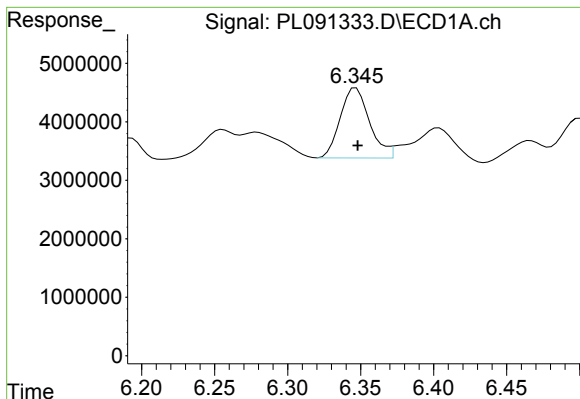
R.T.: 6.192 min  
Delta R.T.: -0.004 min  
Response: 5003218  
Conc: 2.39 ng/ml m



#12 4,4'-DDE

R.T.: 5.241 min  
Delta R.T.: -0.004 min  
Response: 13969757  
Conc: 6.69 ng/ml m





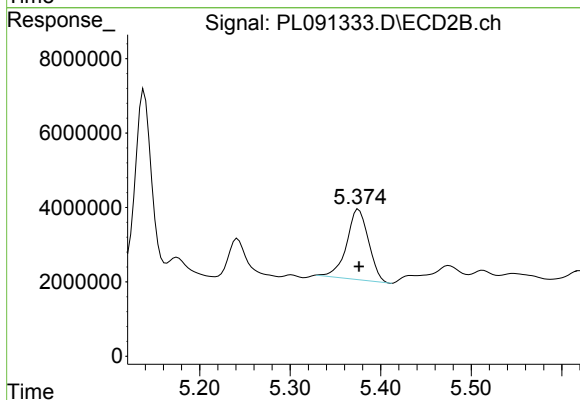
#13 Dieldrin

R.T.: 6.345 min  
Delta R.T.: -0.003 min  
Response: 16904827  
Conc: 7.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MOO-SOIL-PILE

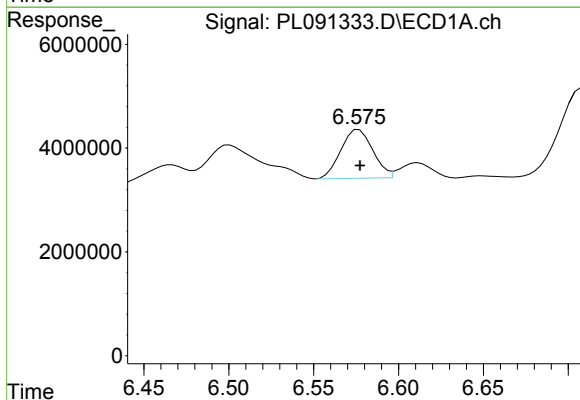
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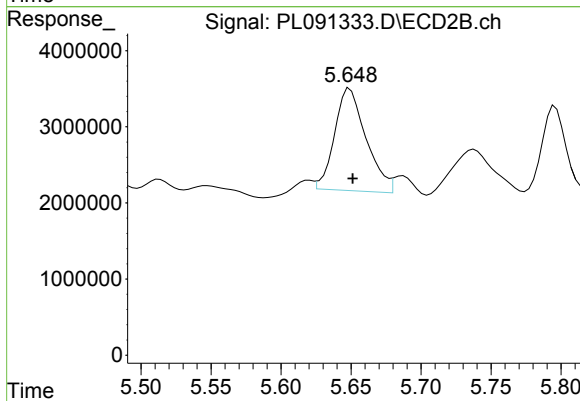
#13 Dieldrin

R.T.: 5.376 min  
Delta R.T.: 0.000 min  
Response: 31990586  
Conc: 14.05 ng/ml



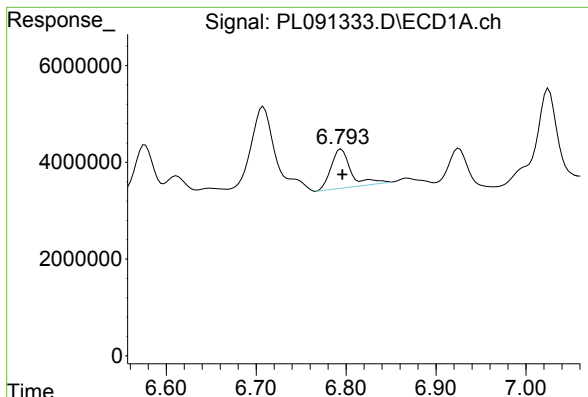
#14 Endrin

R.T.: 6.575 min  
Delta R.T.: -0.002 min  
Response: 12256372  
Conc: 6.32 ng/ml m



#14 Endrin

R.T.: 5.649 min  
Delta R.T.: -0.002 min  
Response: 21080368  
Conc: 10.35 ng/ml



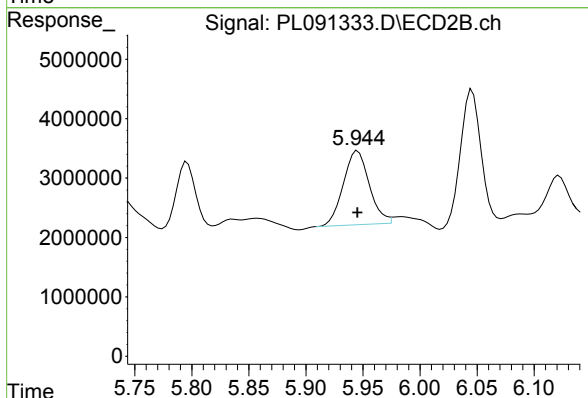
#15 Endosulfan II

R.T.: 6.795 min  
Delta R.T.: -0.001 min  
Response: 12466859  
Conc: 6.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MOO-SOIL-PILE

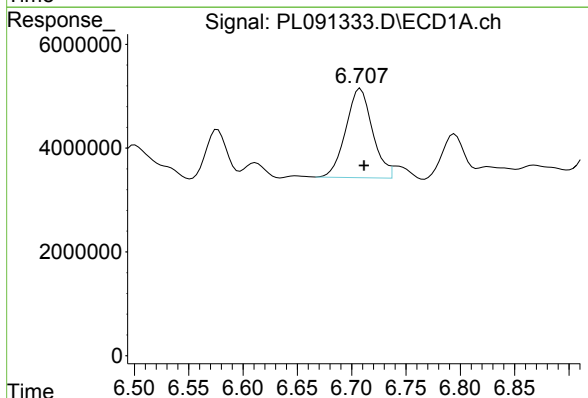
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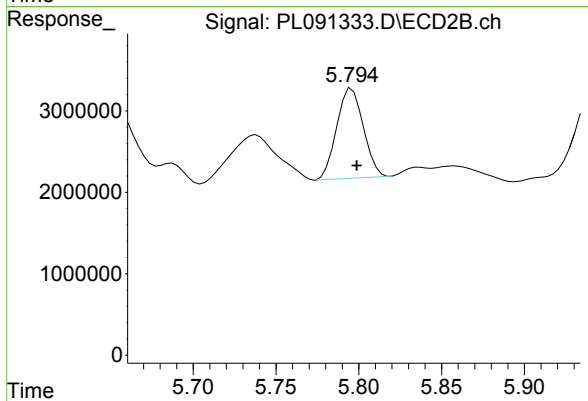
#15 Endosulfan II

R.T.: 5.944 min  
Delta R.T.: -0.001 min  
Response: 19913842  
Conc: 10.29 ng/ml m



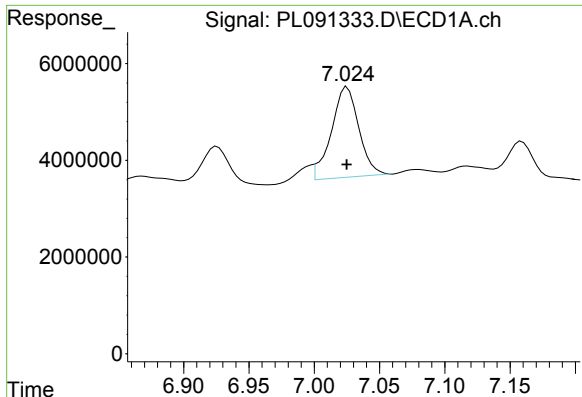
#16 4,4'-DDD

R.T.: 6.707 min  
Delta R.T.: -0.005 min  
Response: 29090395  
Conc: 19.25 ng/ml m



#16 4,4'-DDD

R.T.: 5.796 min  
Delta R.T.: -0.003 min  
Response: 12303791  
Conc: 7.45 ng/ml



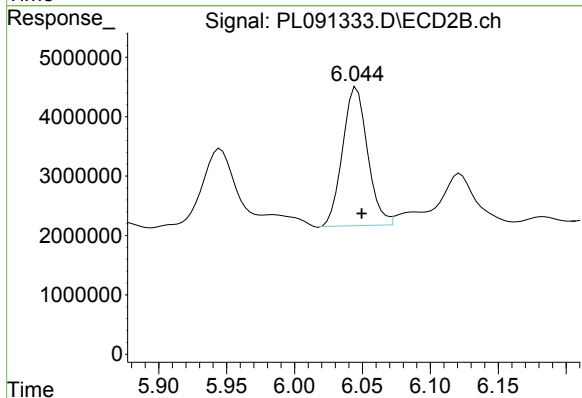
#17 4,4'-DDT

R.T.: 7.024 min  
Delta R.T.: -0.001 min  
Response: 27120513  
Conc: 15.28 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MOO-SOIL-PILE

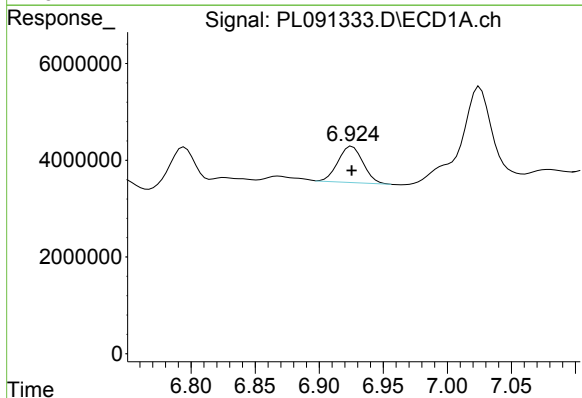
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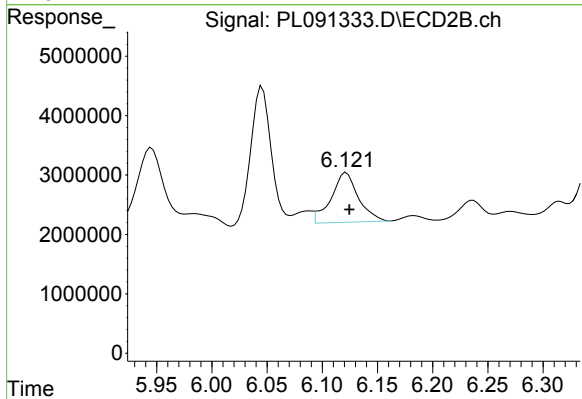
#17 4,4'-DDT

R.T.: 6.046 min  
Delta R.T.: -0.004 min  
Response: 29839807  
Conc: 16.80 ng/ml



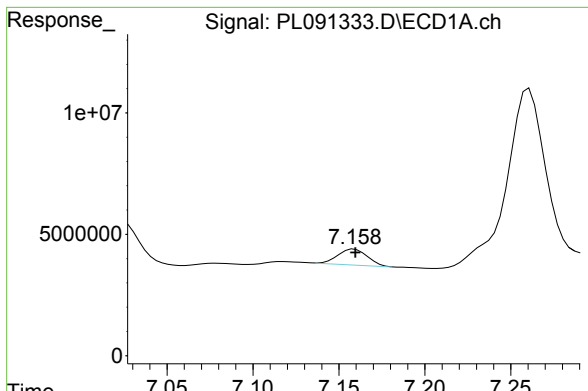
#18 Endrin aldehyde

R.T.: 6.924 min  
Delta R.T.: -0.001 min  
Response: 10178032  
Conc: 6.38 ng/ml m



#18 Endrin aldehyde

R.T.: 6.122 min  
Delta R.T.: -0.003 min  
Response: 14402840  
Conc: 9.25 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.158 min  
Delta R.T.: -0.002 min  
Response: 7784879  
Conc: 4.06 ng/ml

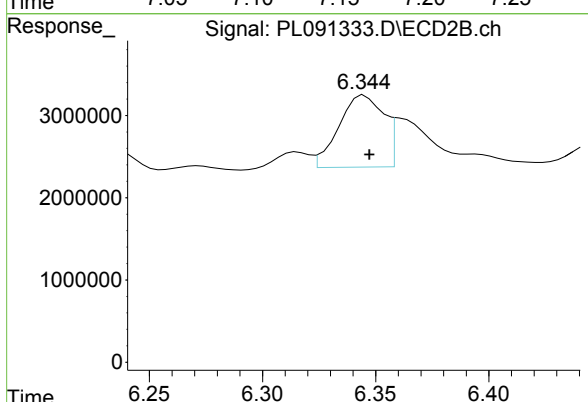
Instrument :

ECD\_L

ClientSampleId :  
MOO-SOIL-PILE

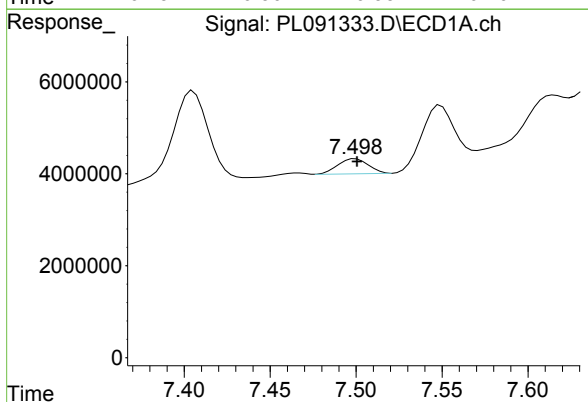
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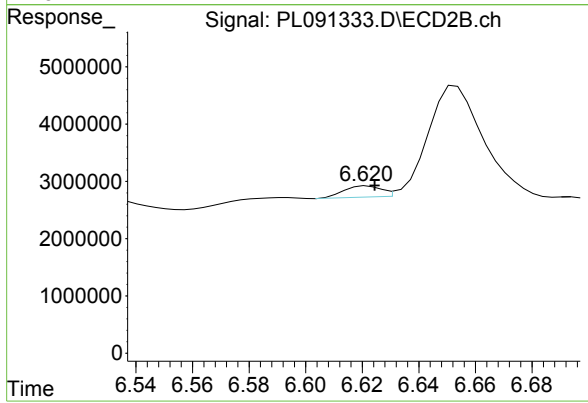
#19 Endosulfan Sulfate

R.T.: 6.344 min  
Delta R.T.: -0.004 min  
Response: 12697107  
Conc: 6.59 ng/ml m



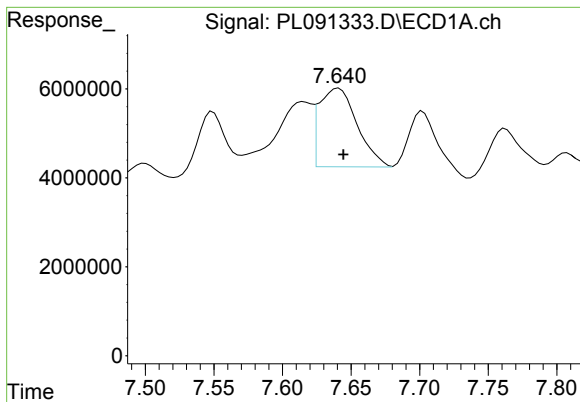
#20 Methoxychlor

R.T.: 7.498 min  
Delta R.T.: -0.002 min  
Response: 4082365  
Conc: 4.34 ng/ml m



#20 Methoxychlor

R.T.: 6.620 min  
Delta R.T.: -0.004 min  
Response: 2068416  
Conc: 2.08 ng/ml m



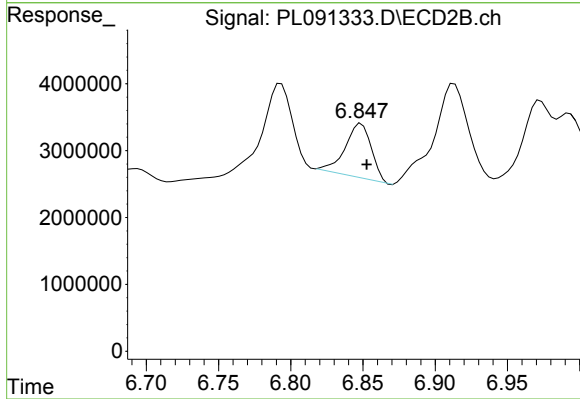
#21 Endrin ketone

R.T.: 7.640 min  
Delta R.T.: -0.005 min  
Response: 32843085  
Conc: 15.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MOO-SOIL-PILE

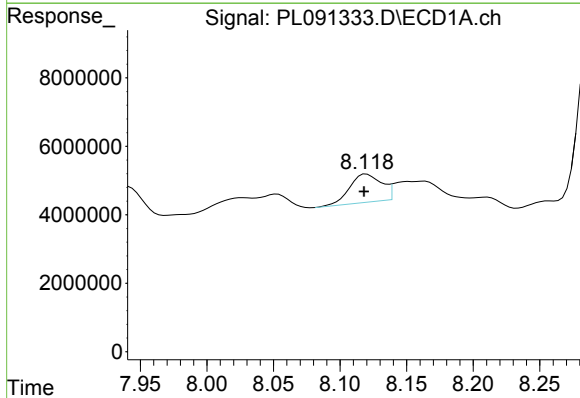
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 08/27/2024  
Supervised By :mohammad ahmed 08/28/2024



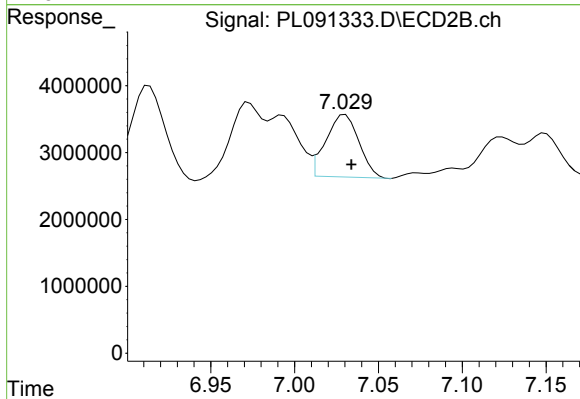
#21 Endrin ketone

R.T.: 6.849 min  
Delta R.T.: -0.004 min  
Response: 10257840  
Conc: 4.71 ng/ml



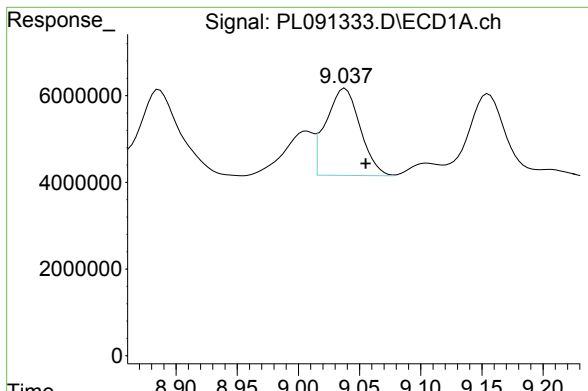
#22 Mirex

R.T.: 8.121 min  
Delta R.T.: 0.003 min  
Response: 13769363  
Conc: 8.09 ng/ml



#22 Mirex

R.T.: 7.030 min  
Delta R.T.: -0.004 min  
Response: 12813463  
Conc: 6.87 ng/ml



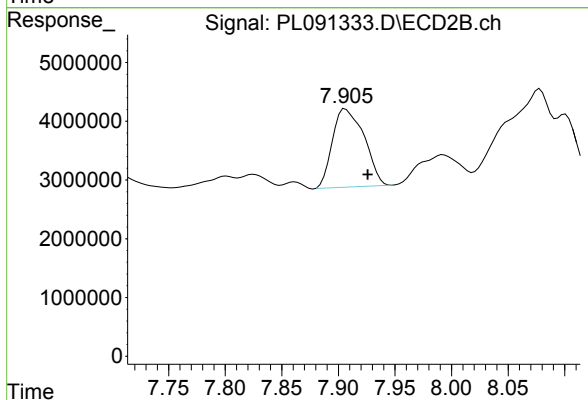
#28 Decachlorobiphenyl

R.T.: 9.037 min  
Delta R.T.: -0.018 min  
Response: 38343794  
Conc: 25.15 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MOO-SOIL-PILE

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 08/27/2024  
Supervised By :mohammad ahmed 08/28/2024



#28 Decachlorobiphenyl

R.T.: 7.906 min  
Delta R.T.: -0.019 min  
Response: 25941918  
Conc: 13.70 ng/ml