

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL021924\  
 Data File : PL088140.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 19 Feb 2024 10:05  
 Operator : AR\AJ  
 Sample : P1187-03  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 MDL-SOIL-03-QT1-2024

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 02/20/2024  
 Supervised By :Ankita Jodhani 02/20/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 20 00:25:53 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... | 3.640  | 2.855  | 66181536 | 32015146 | 24.095 | 22.827  |
| 28)                         | SA Decachlor... | 9.307  | 8.087  | 54785713 | 30920903 | 28.446 | 24.284  |
| Target Compounds            |                 |        |        |          |          |        |         |
| 2)                          | A alpha-BHC     | 4.105  | 3.363  | 180962   | 252532   | 0.043  | 0.123 # |
| 3)                          | MA gamma-BHC... | 4.444  | 3.709  | 58340    | 74352    | 0.014  | 0.037 # |
| 4)                          | MA Heptachlor   | 5.031  | 4.083f | 760087   | 86030    | 0.198  | 0.047 # |
| 5)                          | MB Aldrin       | 0.000  | 4.366f | 0        | 391607   | N.D.   | 0.202 # |
| 6)                          | B beta-BHC      | 0.000  | 4.021  | 0        | 350450   | N.D.   | 0.394 # |
| 7)                          | B delta-BHC     | 4.881  | 4.248  | 3774480  | 129505   | 0.992  | 0.065 # |
| 8)                          | B Heptachlo...  | 0.000  | 4.853  | 0        | 82112    | N.D.   | 0.047 # |
| 9)                          | A Endosulfan I  | 6.215  | 5.229  | 78367    | 13552    | 0.025  | 0.008 # |
| 10)                         | B gamma-Chl...  | 0.000  | 5.133f | 0        | 782809   | N.D.   | 0.439 # |
| 12)                         | B 4,4'-DDE      | 0.000  | 5.355  | 0        | 166503   | N.D.   | 0.105 # |
| 13)                         | MA Dieldrin     | 6.516f | 5.493  | 446654   | -111347  | 0.136  | N.D. #  |
| 14)                         | MA Endrin       | 6.695f | 5.796f | 1132531  | 210683   | 0.435  | 0.141 # |
| 15)                         | B Endosulfa...  | 6.912f | 6.073  | 2808991  | 428496   | 0.981  | 0.281 # |
| 16)                         | A 4,4'-DDD      | 6.850  | 5.908f | 1088626  | 232523   | 0.420  | 0.170 # |
| 17)                         | MA 4,4'-DDT     | 0.000  | 6.188  | 0        | 333777   | N.D.   | 0.244 # |
| 18)                         | B Endrin al...  | 7.087f | 6.267  | 370024   | -85952   | 0.179  | N.D. #  |
| 19)                         | B Endosulfa...  | 7.305  | 6.482  | 2491731  | 137512   | 0.956  | 0.098 # |
| 20)                         | A Methoxychlor  | 0.000  | 6.755  | 0        | 1293797  | N.D.   | 1.651 # |
| 21)                         | B Endrin ke...  | 7.783f | 7.012f | 1885196  | -321716  | 0.673  | N.D. #  |
| 22)                         | Mirex           | 0.000  | 7.202f | 0        | 2422175  | N.D.   | 1.849 # |
| 23)                         | Chlordane-1     | 0.000  | 3.879  | 0        | 112061   | N.D.   | 2.177 # |
| 24)                         | Chlordane-2     | 0.000  | 4.444f | 0        | 125544   | N.D.   | 1.976 # |
| 25)                         | Chlordane-3     | 0.000  | 5.133f | 0        | 782809   | N.D.   | 4.204 # |
| 26)                         | Chlordane-4     | 6.189f | 5.201f | 209018   | 116882   | 0.340  | 0.676 # |
| 27)                         | Chlordane-5     | 7.009  | 5.863  | 2588472  | 173450   | 25.574 | 3.279 # |
| -----                       |                 |        |        |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL021924\  
Data File : PL088140.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 19 Feb 2024 10:05  
Operator : AR\AJ  
Sample : P1187-03  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

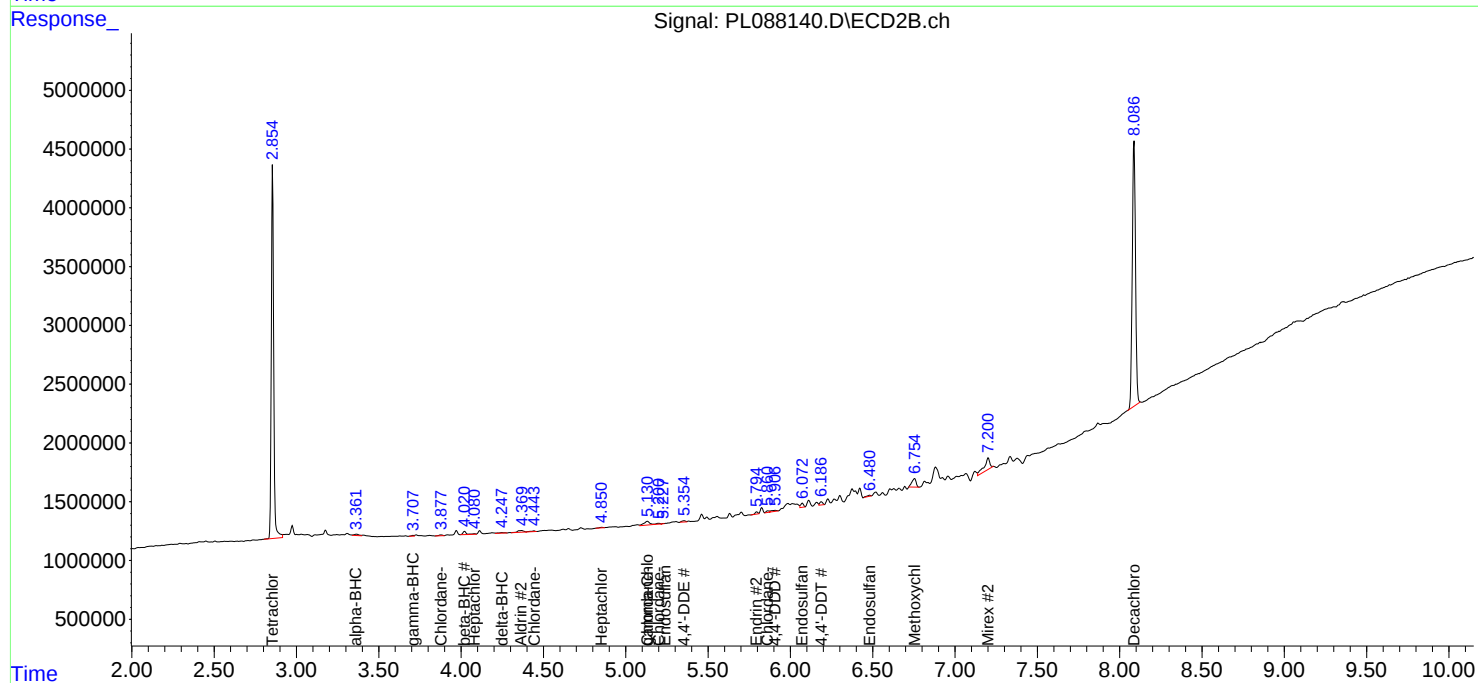
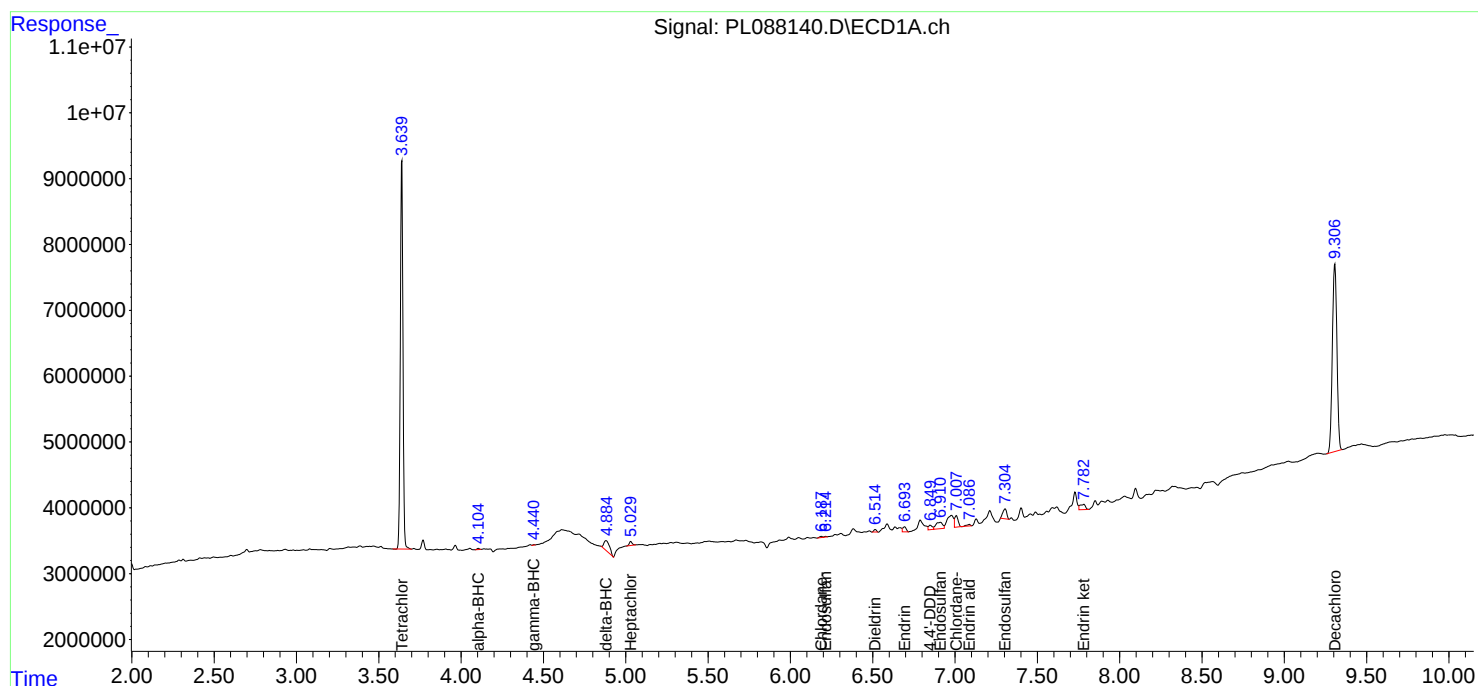
Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT1-2024

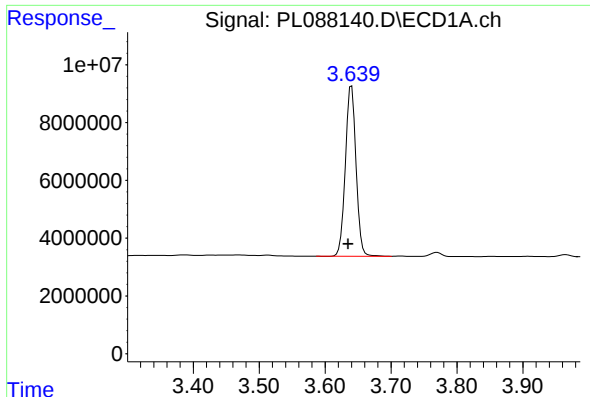
Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 02/20/2024  
Supervised By : Ankita Jodhani 02/20/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 20 00:25:53 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





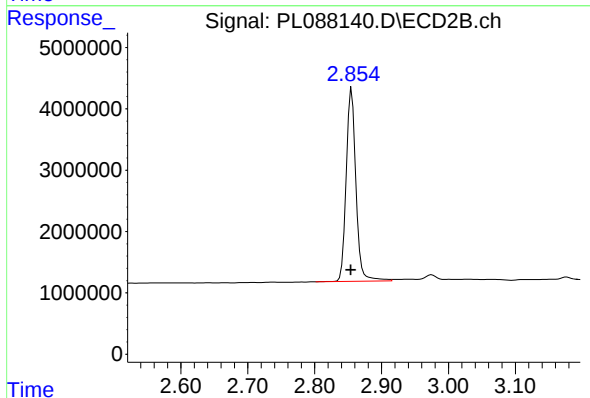
#1 Tetrachloro-m-xylene

R.T.: 3.640 min  
Delta R.T.: 0.005 min  
Response: 66181536  
Conc: 24.09 ng/ml

Instrument :  
ECD\_L  
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MDL-SOIL-03-QT1-2024

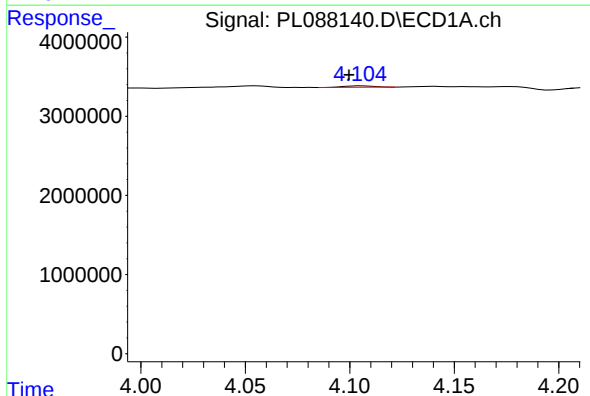
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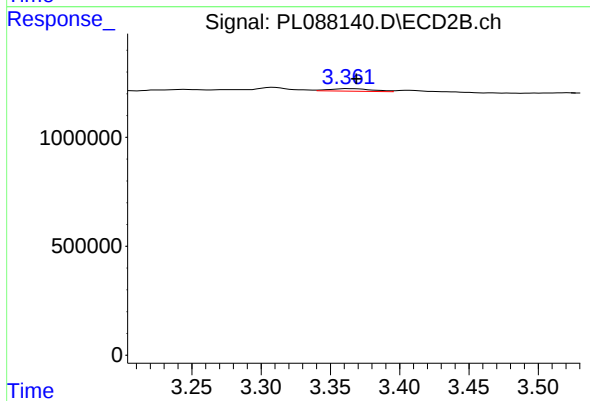
#1 Tetrachloro-m-xylene

R.T.: 2.855 min  
Delta R.T.: 0.001 min  
Response: 32015146  
Conc: 22.83 ng/ml



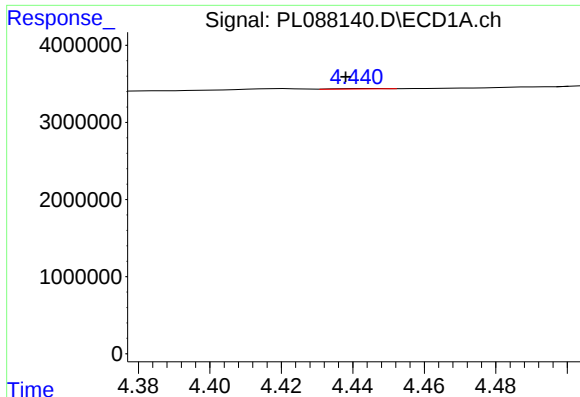
#2 alpha-BHC

R.T.: 4.105 min  
Delta R.T.: 0.005 min  
Response: 180962  
Conc: 0.04 ng/ml



#2 alpha-BHC

R.T.: 3.363 min  
Delta R.T.: -0.005 min  
Response: 252532  
Conc: 0.12 ng/ml



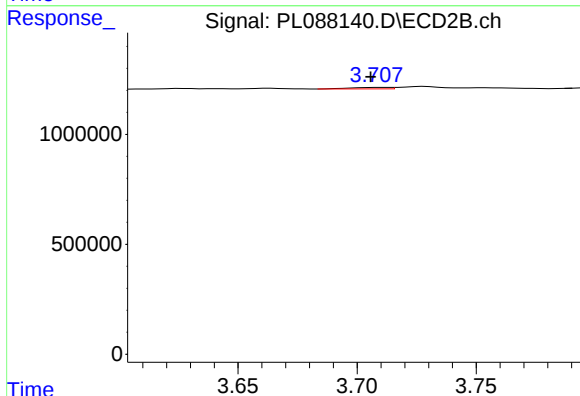
#3 gamma-BHC (Lindane)

R.T.: 4.444 min  
Delta R.T.: 0.006 min  
Response: 58340  
Conc: 0.01 ng/ml

Instrument :  
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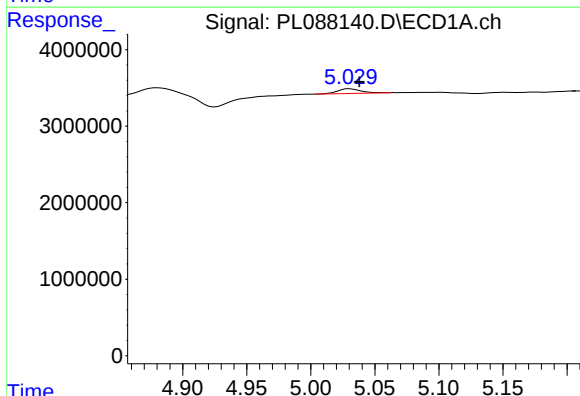
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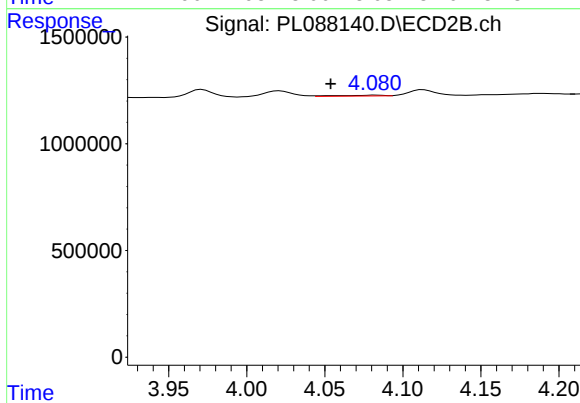
#3 gamma-BHC (Lindane)

R.T.: 3.709 min  
Delta R.T.: 0.003 min  
Response: 74352  
Conc: 0.04 ng/ml



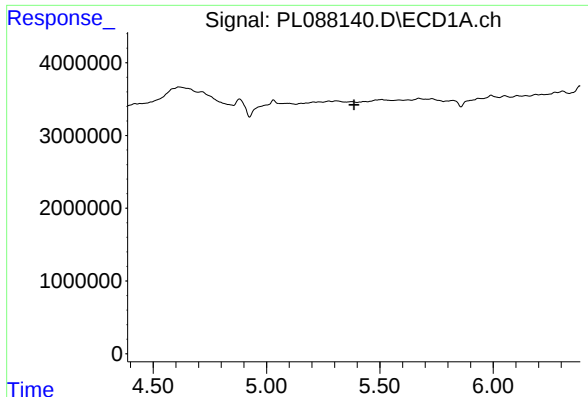
#4 Heptachlor

R.T.: 5.031 min  
Delta R.T.: -0.007 min  
Response: 760087  
Conc: 0.20 ng/ml



#4 Heptachlor

R.T.: 4.083 min  
Delta R.T.: 0.029 min  
Response: 86030  
Conc: 0.05 ng/ml



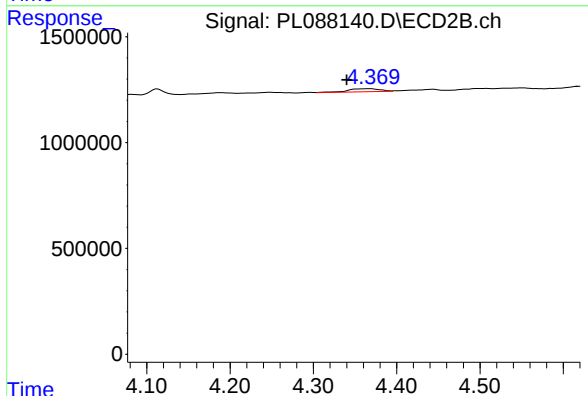
#5 Aldrin

R.T.: 0.000 min  
Exp R.T.: 5.386 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT1-2024

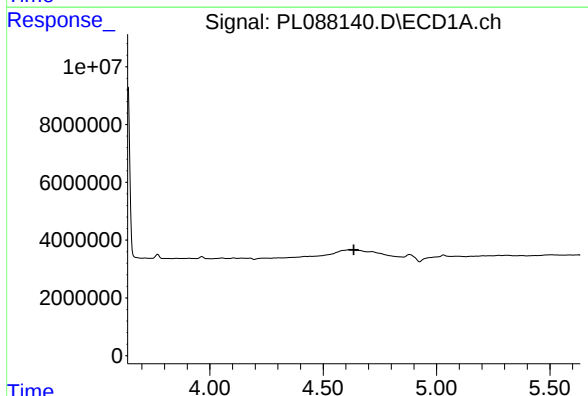
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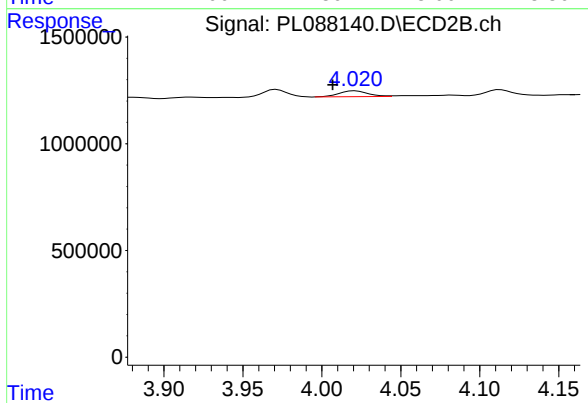
#5 Aldrin

R.T.: 4.366 min  
Delta R.T.: 0.026 min  
Response: 391607  
Conc: 0.20 ng/ml



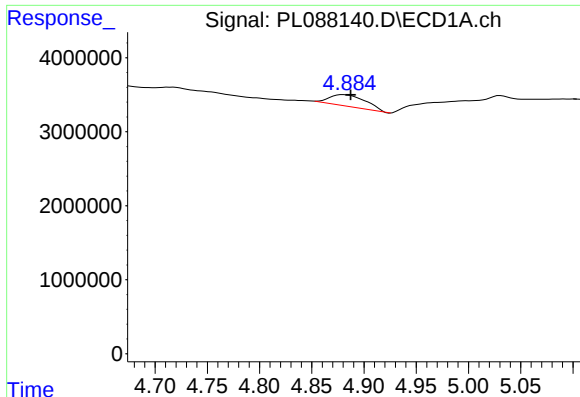
#6 beta-BHC

R.T.: 0.000 min  
Exp R.T.: 4.635 min  
Response: 0  
Conc: N.D.



#6 beta-BHC

R.T.: 4.021 min  
Delta R.T.: 0.014 min  
Response: 350450  
Conc: 0.39 ng/ml



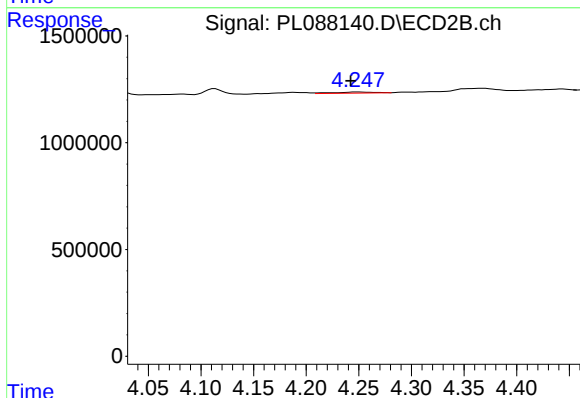
#7 delta-BHC

R.T.: 4.881 min  
Delta R.T.: -0.006 min  
Response: 3774480  
Conc: 0.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT1-2024

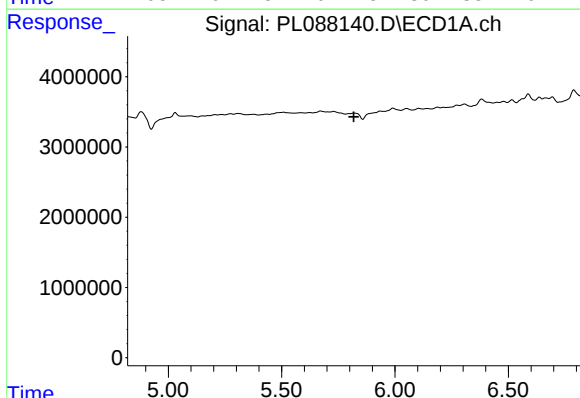
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Reviewed By :Abdul Mirza 02/20/2024  
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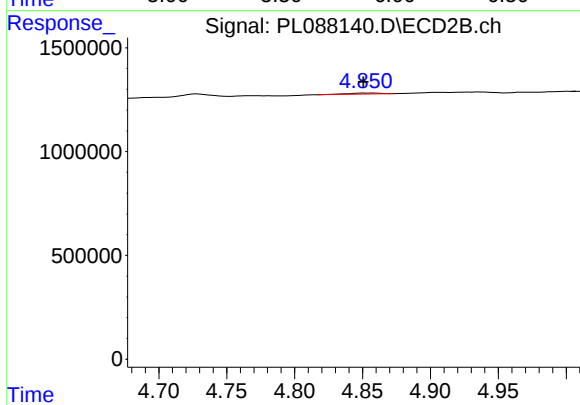
#7 delta-BHC

R.T.: 4.248 min  
Delta R.T.: 0.006 min  
Response: 129505  
Conc: 0.06 ng/ml



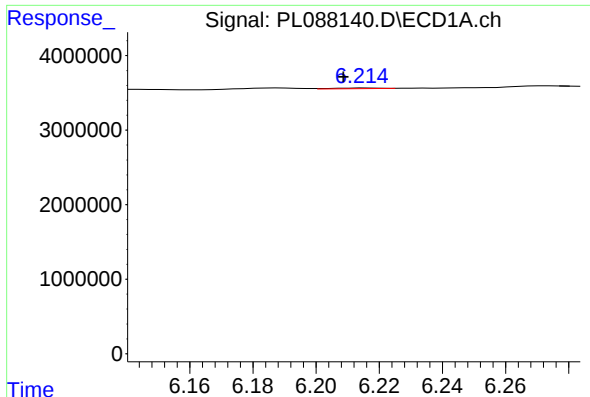
#8 Heptachlor epoxide

R.T.: 0.000 min  
Exp R.T. : 5.818 min  
Response: 0  
Conc: N.D.



#8 Heptachlor epoxide

R.T.: 4.853 min  
Delta R.T.: 0.002 min  
Response: 82112  
Conc: 0.05 ng/ml



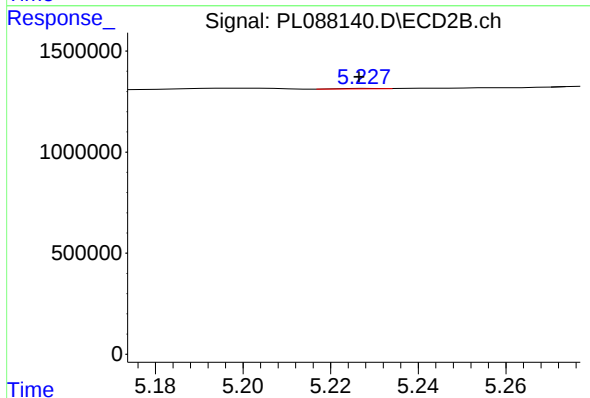
#9 Endosulfan I

R.T.: 6.215 min  
Delta R.T.: 0.007 min  
Response: 78367  
Conc: 0.03 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT1-2024

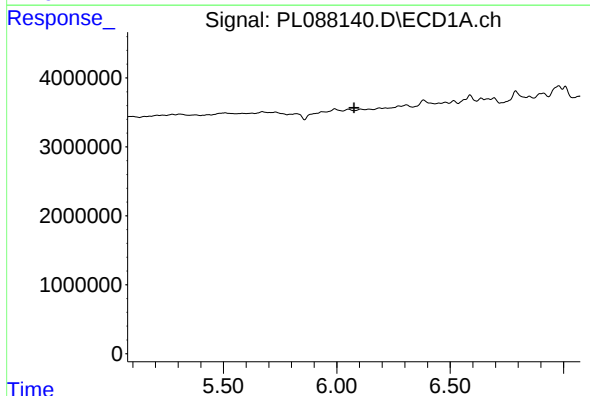
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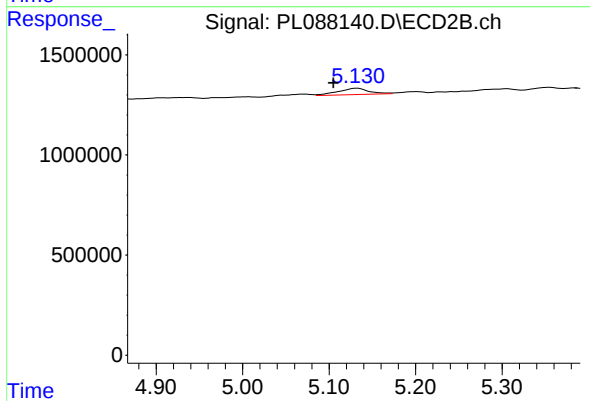
#9 Endosulfan I

R.T.: 5.229 min  
Delta R.T.: 0.002 min  
Response: 13552  
Conc: 0.01 ng/ml



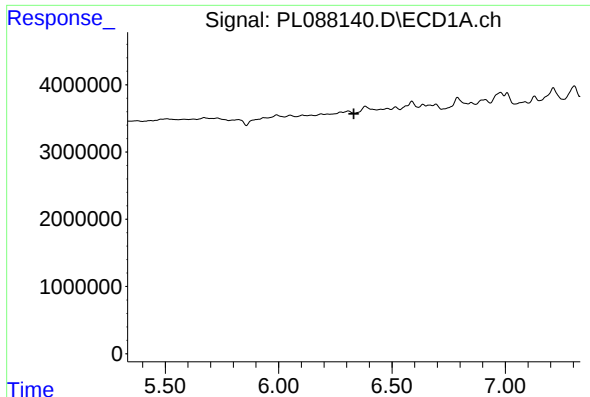
#10 gamma-Chlordane

R.T.: 0.000 min  
Exp R.T. : 6.077 min  
Response: 0  
Conc: N.D.



#10 gamma-Chlordane

R.T.: 5.133 min  
Delta R.T.: 0.027 min  
Response: 782809  
Conc: 0.44 ng/ml



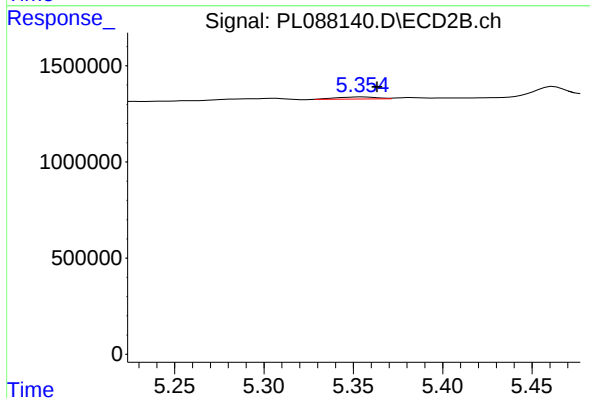
#12 4,4'-DDE

R.T.: 0.000 min  
Exp R.T.: 6.332 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT1-2024

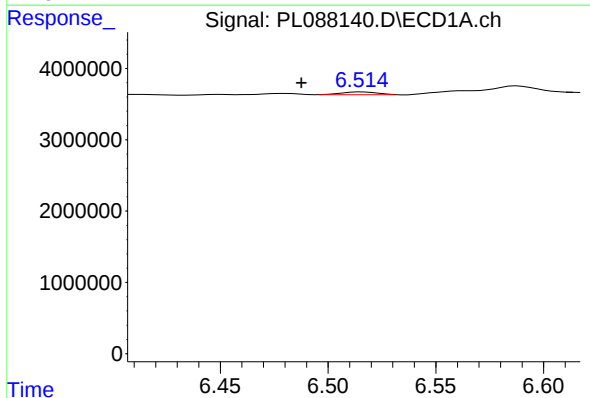
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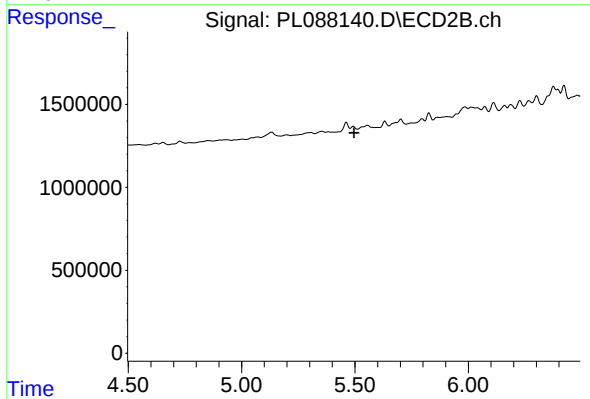
#12 4,4'-DDE

R.T.: 5.355 min  
Delta R.T.: -0.008 min  
Response: 166503  
Conc: 0.10 ng/ml



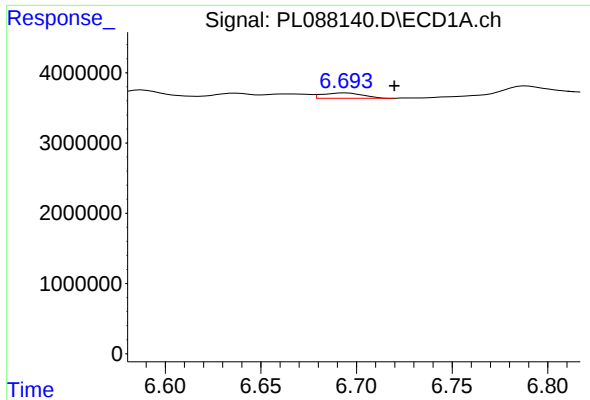
#13 Dieldrin

R.T.: 6.516 min  
Delta R.T.: 0.028 min  
Response: 446654  
Conc: 0.14 ng/ml



#13 Dieldrin

R.T.: 5.493 min  
Delta R.T.: -0.003 min  
Response: -111347  
Conc: N.D.



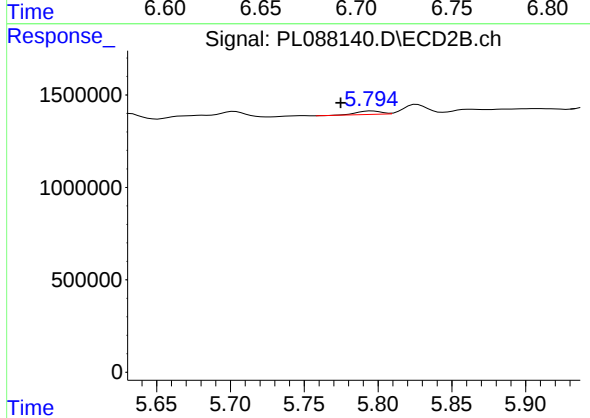
#14 Endrin

R.T.: 6.695 min  
Delta R.T.: -0.025 min  
Response: 1132531  
Conc: 0.44 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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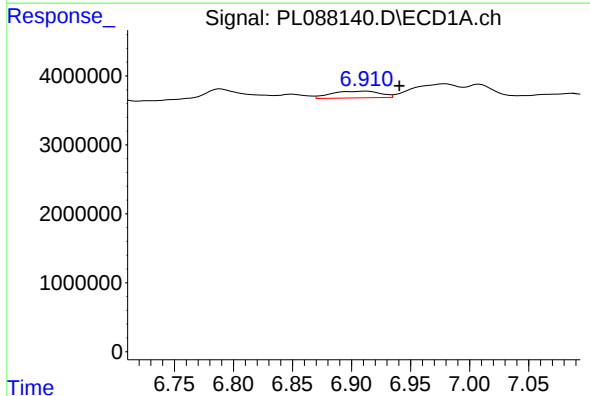
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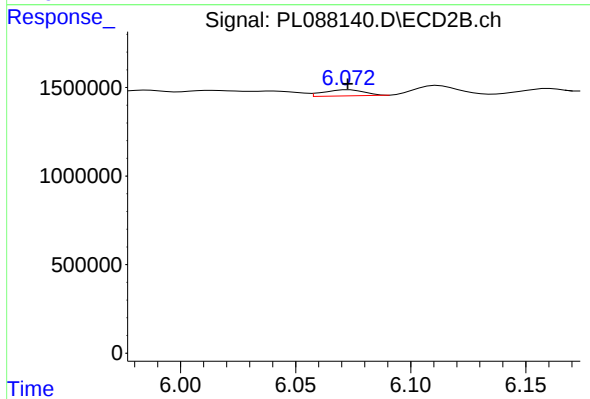
#14 Endrin

R.T.: 5.796 min  
Delta R.T.: 0.021 min  
Response: 210683  
Conc: 0.14 ng/ml



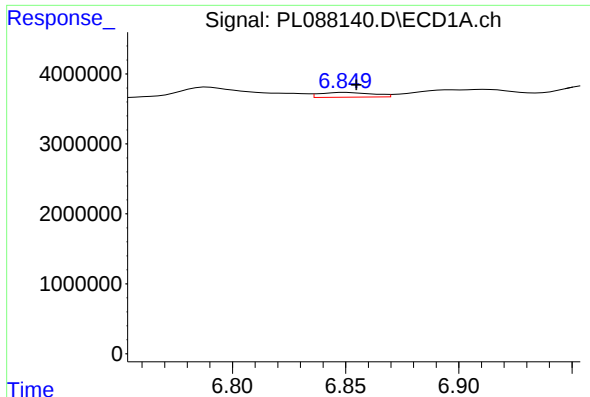
#15 Endosulfan II

R.T.: 6.912 min  
Delta R.T.: -0.028 min  
Response: 2808991  
Conc: 0.98 ng/ml



#15 Endosulfan II

R.T.: 6.073 min  
Delta R.T.: 0.000 min  
Response: 428496  
Conc: 0.28 ng/ml



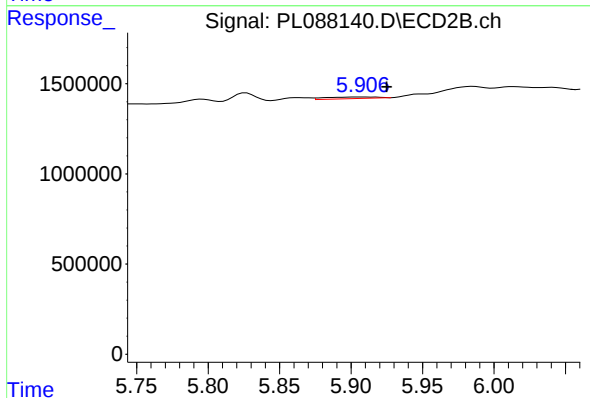
#16 4,4'-DDD

R.T.: 6.850 min  
Delta R.T.: -0.005 min  
Response: 1088626  
Conc: 0.42 ng/ml

Instrument :  
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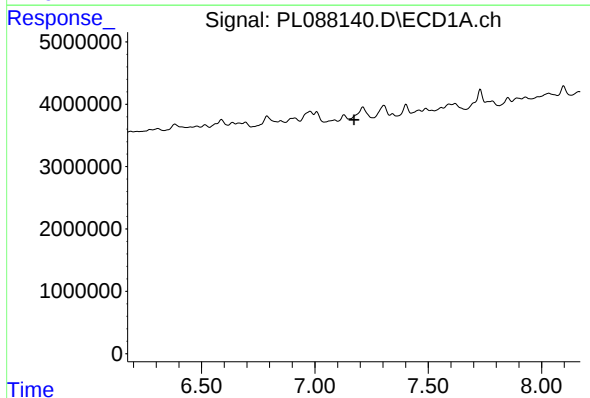
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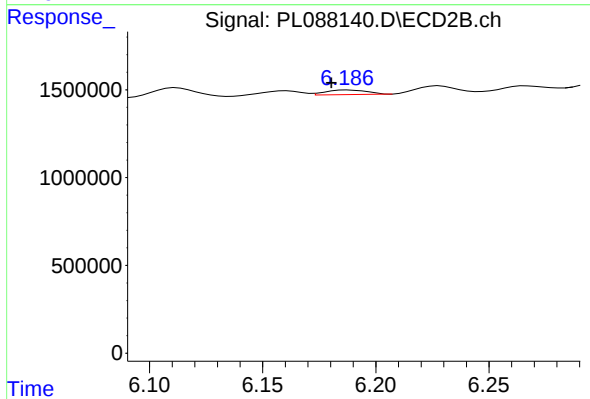
#16 4,4'-DDD

R.T.: 5.908 min  
Delta R.T.: -0.017 min  
Response: 232523  
Conc: 0.17 ng/ml



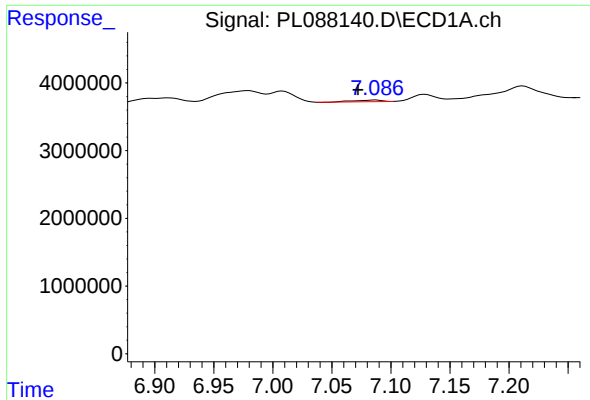
#17 4,4'-DDT

R.T.: 0.000 min  
Exp R.T. : 7.174 min  
Response: 0  
Conc: N.D.



#17 4,4'-DDT

R.T.: 6.188 min  
Delta R.T.: 0.007 min  
Response: 333777  
Conc: 0.24 ng/ml



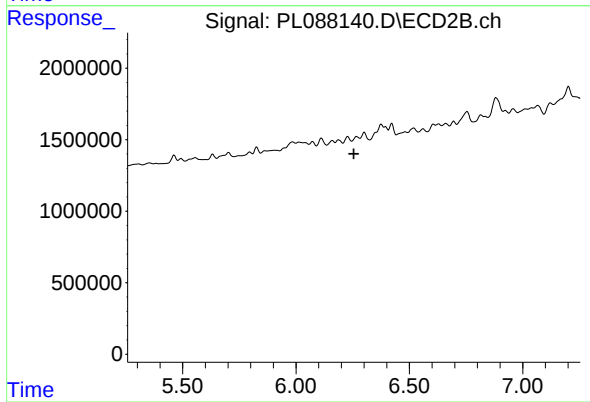
#18 Endrin aldehyde

R.T.: 7.087 min  
Delta R.T.: 0.015 min  
Response: 370024  
Conc: 0.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT1-2024

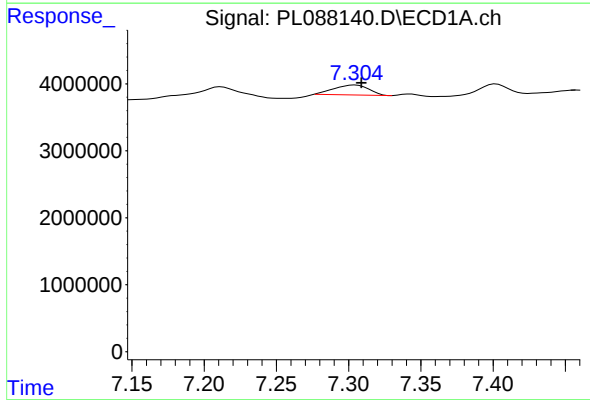
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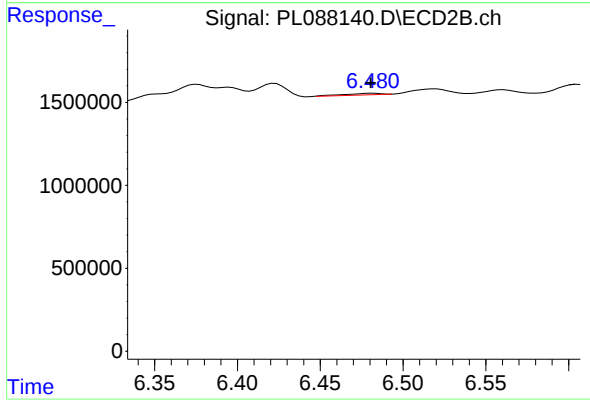
#18 Endrin aldehyde

R.T.: 6.267 min  
Delta R.T.: 0.012 min  
Response: -85952  
Conc: N.D.



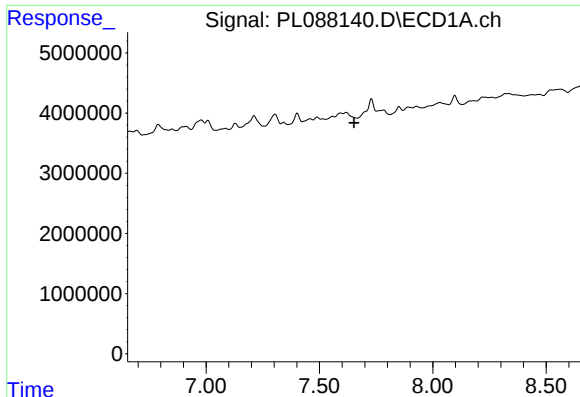
#19 Endosulfan Sulfate

R.T.: 7.305 min  
Delta R.T.: -0.004 min  
Response: 2491731  
Conc: 0.96 ng/ml



#19 Endosulfan Sulfate

R.T.: 6.482 min  
Delta R.T.: 0.001 min  
Response: 137512  
Conc: 0.10 ng/ml



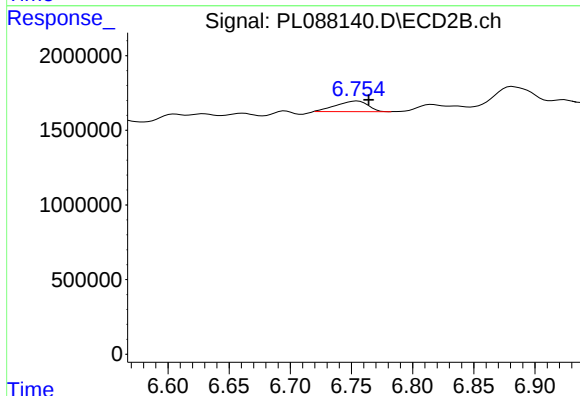
#20 Methoxychlor

R.T.: 0.000 min  
Exp R.T.: 7.653 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-SOIL-03-QT1-2024

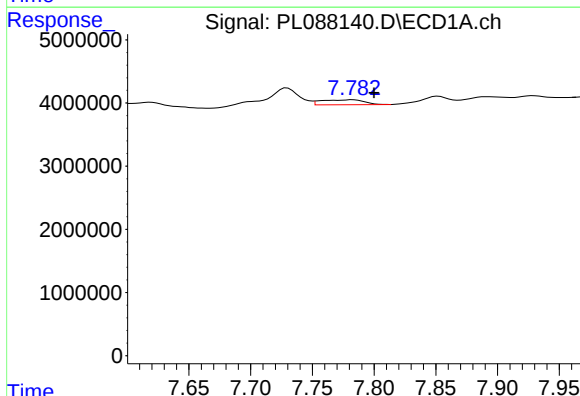
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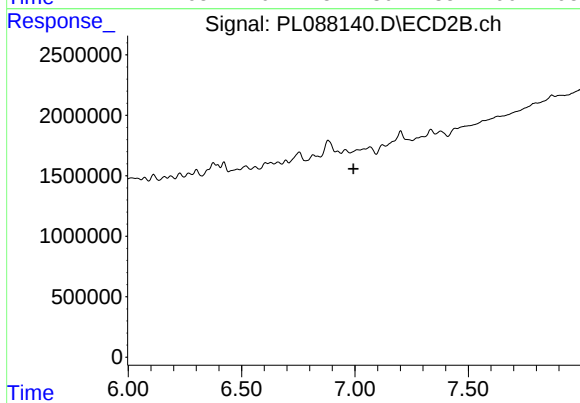
#20 Methoxychlor

R.T.: 6.755 min  
Delta R.T.: -0.010 min  
Response: 1293797  
Conc: 1.65 ng/ml



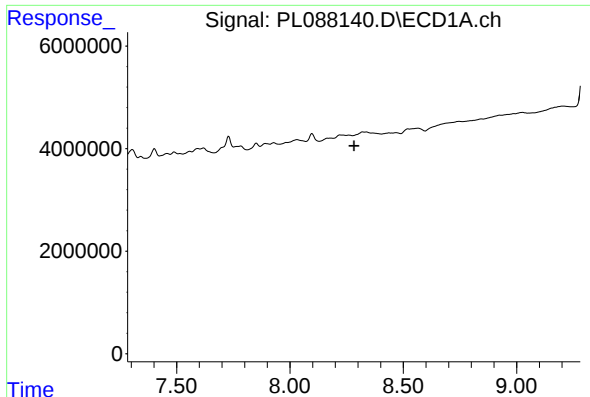
#21 Endrin ketone

R.T.: 7.783 min  
Delta R.T.: -0.017 min  
Response: 1885196  
Conc: 0.67 ng/ml



#21 Endrin ketone

R.T.: 7.012 min  
Delta R.T.: 0.018 min  
Response: -321716  
Conc: N.D.



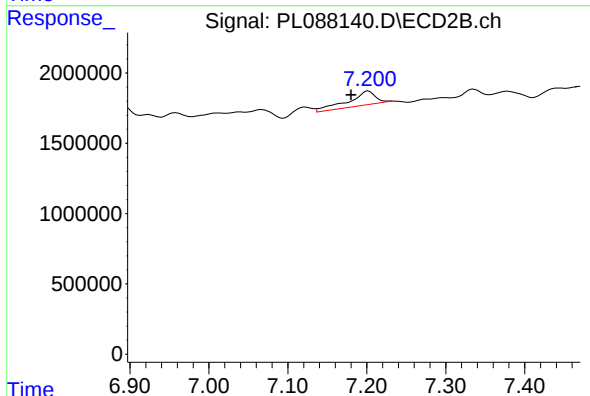
#22 Mirex

R.T.: 0.000 min  
Exp R.T.: 8.283 min  
Response: 0  
Conc: N.D.

Instrument :  
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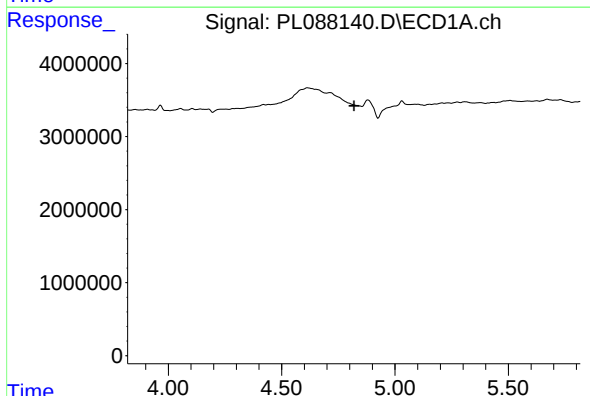
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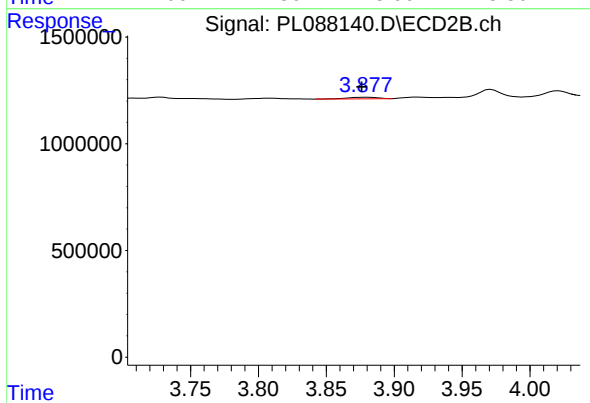
#22 Mirex

R.T.: 7.202 min  
Delta R.T.: 0.022 min  
Response: 2422175  
Conc: 1.85 ng/ml



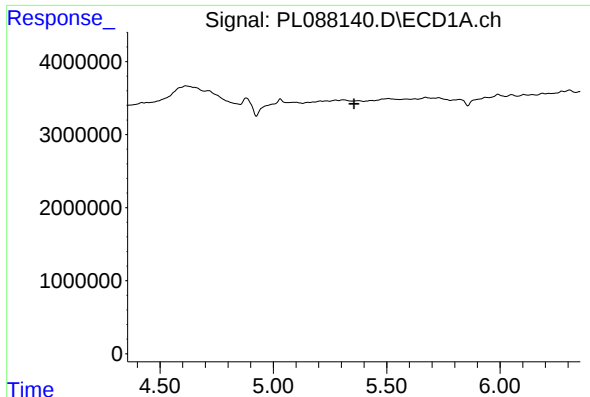
#23 Chlordane-1

R.T.: 0.000 min  
Exp R.T.: 4.820 min  
Response: 0  
Conc: N.D.



#23 Chlordane-1

R.T.: 3.879 min  
Delta R.T.: 0.003 min  
Response: 112061  
Conc: 2.18 ng/ml



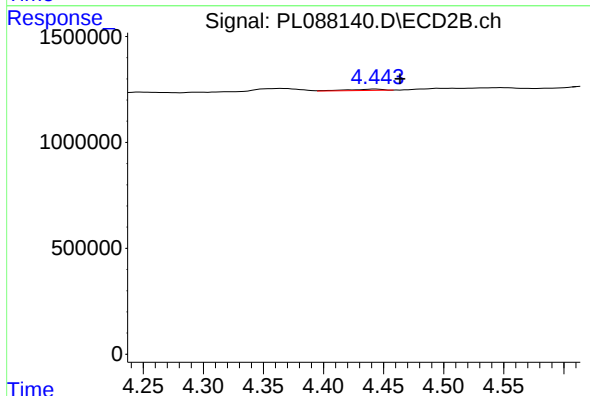
#24 Chlordane-2

R.T.: 0.000 min  
Exp R.T.: 5.357 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
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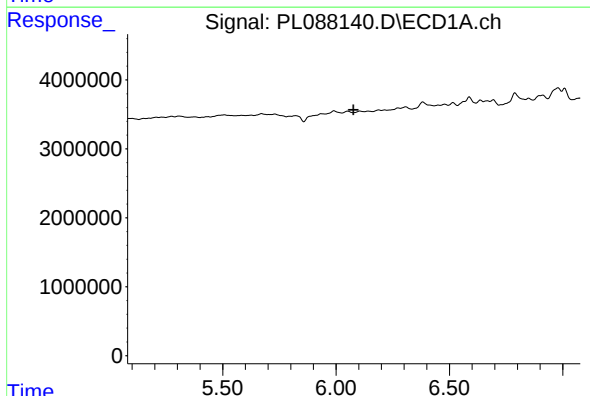
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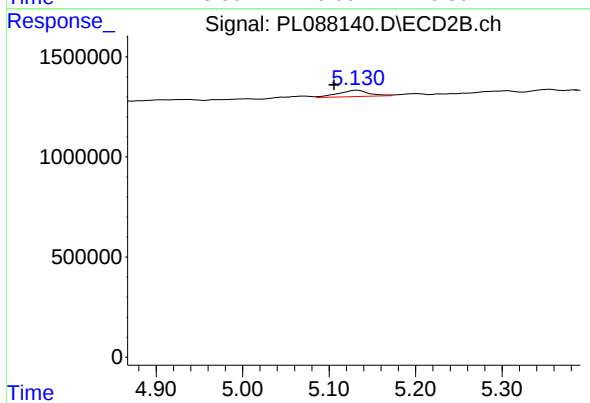
#24 Chlordane-2

R.T.: 4.444 min  
Delta R.T.: -0.020 min  
Response: 125544  
Conc: 1.98 ng/ml



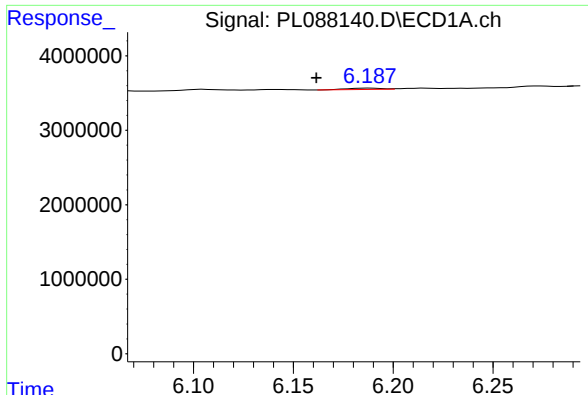
#25 Chlordane-3

R.T.: 0.000 min  
Exp R.T.: 6.077 min  
Response: 0  
Conc: N.D.



#25 Chlordane-3

R.T.: 5.133 min  
Delta R.T.: 0.027 min  
Response: 782809  
Conc: 4.20 ng/ml



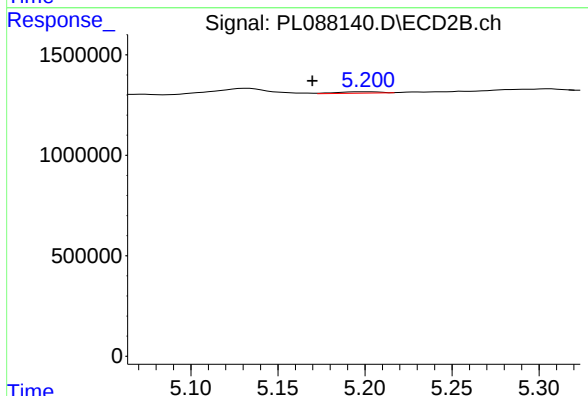
#26 Chlordane-4

R.T.: 6.189 min  
Delta R.T.: 0.027 min  
Response: 209018  
Conc: 0.34 ng/ml

Instrument :  
ECD\_L  
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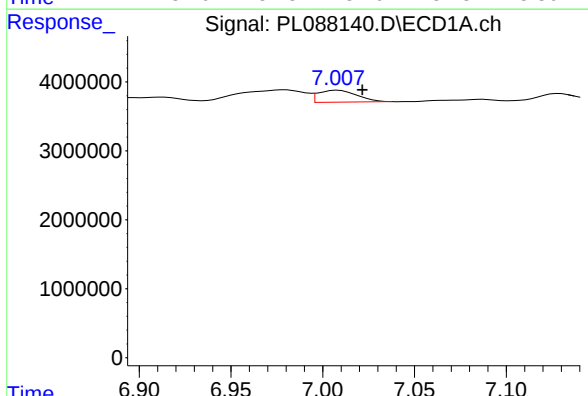
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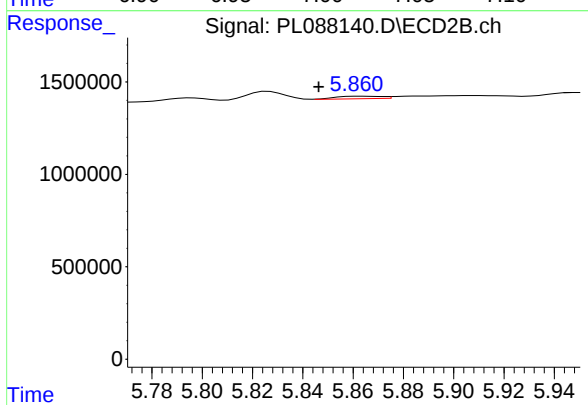
#26 Chlordane-4

R.T.: 5.201 min  
Delta R.T.: 0.032 min  
Response: 116882  
Conc: 0.68 ng/ml



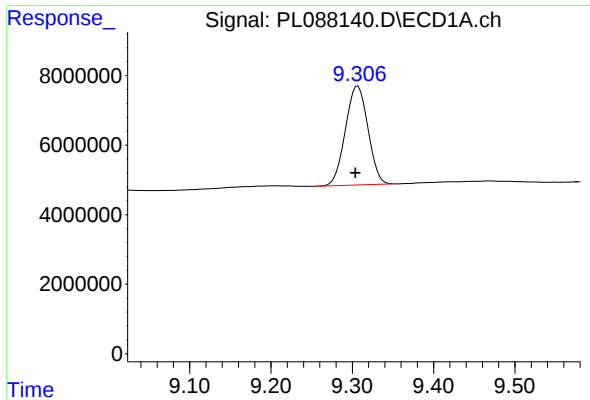
#27 Chlordane-5

R.T.: 7.009 min  
Delta R.T.: -0.013 min  
Response: 2588472  
Conc: 25.57 ng/ml



#27 Chlordane-5

R.T.: 5.863 min  
Delta R.T.: 0.016 min  
Response: 173450  
Conc: 3.28 ng/ml



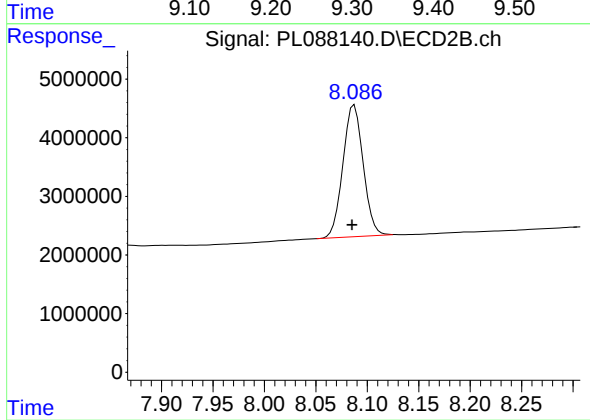
#28 Decachlorobiphenyl

R.T.: 9.307 min  
Delta R.T.: 0.003 min  
Response: 54785713  
Conc: 28.45 ng/ml

Instrument :  
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#28 Decachlorobiphenyl

R.T.: 8.087 min  
Delta R.T.: 0.002 min  
Response: 30920903  
Conc: 24.28 ng/ml