

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL031925\  
 Data File : PL094744.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 19 Mar 2025 17:36  
 Operator : AR\AJ  
 Sample : Q1569-02MS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 TAP-IDW-SOIL-031325-01MS

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 03/20/2025  
 Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 20 02:06:23 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL031125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Mar 11 17:42:21 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 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 x0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.536 | 2.770 | 61638939 | 75824624 | 21.775  | 21.244  |
| 28) SA Decachlor...         | 9.051 | 7.903 | 51086676 | 90008863 | 24.241  | 22.283  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 3.992 | 3.271 | 219.9E6  | 308.4E6  | 52.957  | 57.202m |
| 3) MA gamma-BHC...          | 4.323 | 3.601 | 216.6E6  | 297.4E6  | 54.294m | 57.871m |
| 4) MA Heptachlor            | 4.913 | 3.939 | 191.0E6  | 274.8E6  | 49.207  | 52.155  |
| 5) MB Aldrin                | 5.254 | 4.218 | 181.8E6  | 249.0E6  | 49.237  | 51.063  |
| 6) B beta-BHC               | 4.524 | 3.902 | 98723090 | 131.2E6  | 53.502  | 59.054  |
| 7) B delta-BHC              | 4.770 | 4.130 | 190.3E6  | 239.7E6  | 48.869  | 47.923  |
| 8) B Heptachlo...           | 5.680 | 4.721 | 177.1E6  | 264.8E6  | 52.928  | 57.830  |
| 9) A Endosulfan I           | 6.066 | 5.091 | 165.0E6  | 256.0E6  | 53.729  | 58.336  |
| 10) B gamma-Chl...          | 5.937 | 4.971 | 178.7E6  | 280.1E6  | 53.044  | 58.021  |
| 11) B alpha-Chl...          | 6.015 | 5.035 | 175.4E6  | 274.9E6  | 53.202  | 57.595  |
| 12) B 4,4'-DDE              | 6.189 | 5.222 | 171.9E6  | 271.9E6  | 58.418  | 58.486m |
| 13) MA Dieldrin             | 6.341 | 5.355 | 174.2E6  | 279.1E6  | 54.457  | 57.525  |
| 14) MA Endrin               | 6.570 | 5.630 | 146.0E6  | 253.4E6  | 52.671m | 58.072  |
| 15) B Endosulfa...          | 6.792 | 5.925 | 148.9E6  | 249.5E6  | 54.836  | 57.647  |
| 16) A 4,4'-DDD              | 6.707 | 5.779 | 132.3E6  | 225.8E6  | 61.060  | 62.799  |
| 17) MA 4,4'-DDT             | 7.021 | 6.028 | 130.7E6  | 224.2E6  | 54.966  | 55.599  |
| 18) B Endrin al...          | 6.921 | 6.105 | 109.6E6  | 187.2E6  | 51.920  | 55.614  |
| 19) B Endosulfa...          | 7.155 | 6.328 | 128.9E6  | 230.8E6  | 53.012  | 56.652  |
| 20) A Methoxychlor          | 7.497 | 6.604 | 64681005 | 114.9E6  | 54.033  | 54.190  |
| 21) B Endrin ke...          | 7.641 | 6.833 | 148.9E6  | 270.5E6  | 56.327  | 56.674  |
| 22) Mirex                   | 8.114 | 7.012 | 105.9E6  | 200.9E6  | 51.264  | 52.946  |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL031925\  
Data File : PL094744.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 19 Mar 2025 17:36  
Operator : AR\AJ  
Sample : Q1569-02MS  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

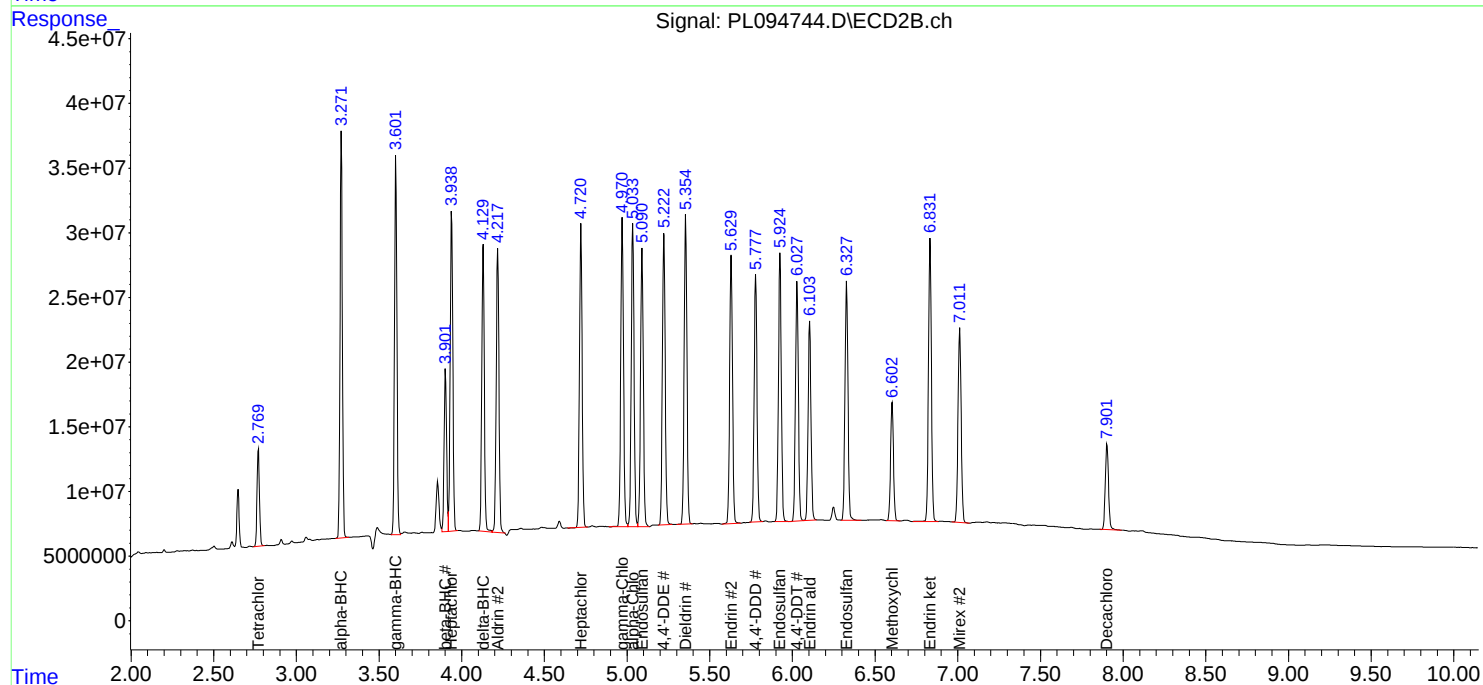
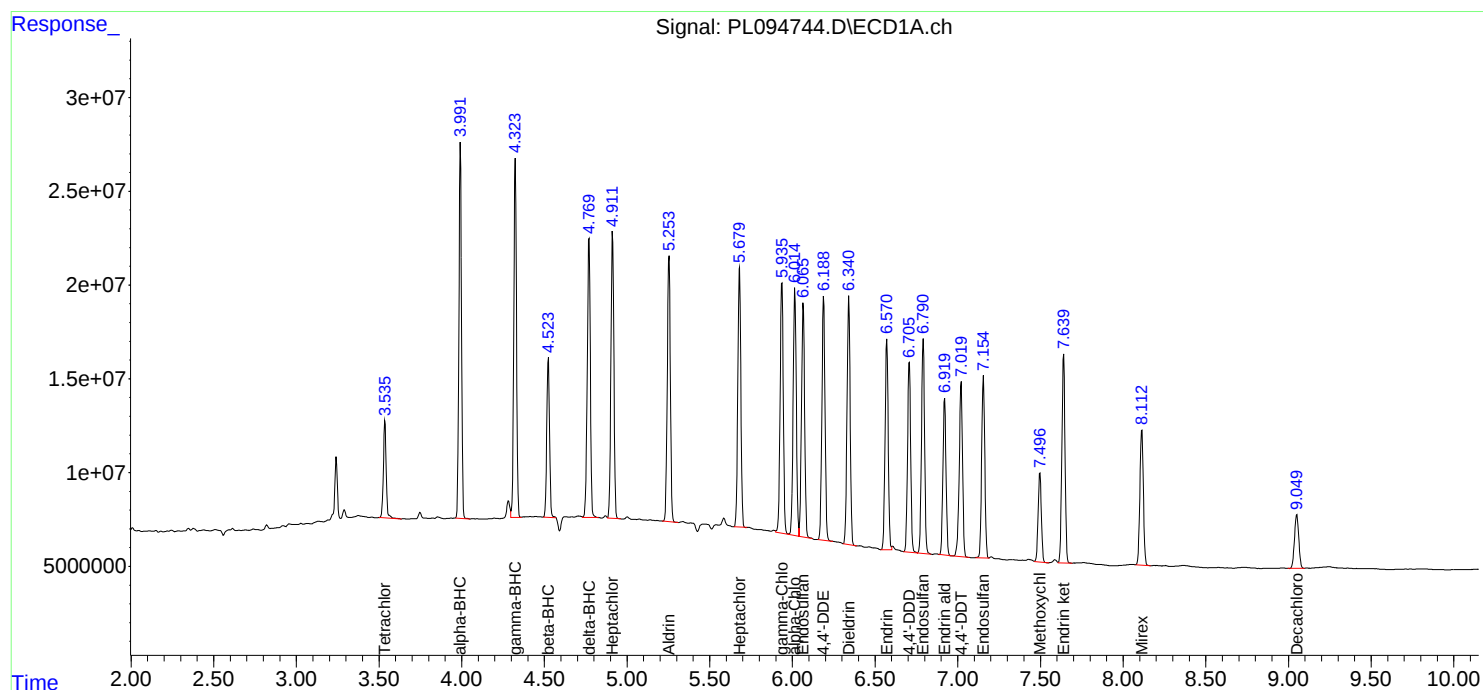
Instrument :  
ECD\_L  
ClientSampleId :  
TAP-IDW-SOIL-031325-01MS

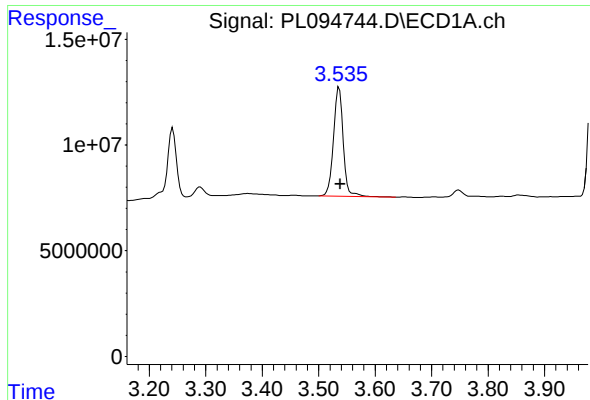
Manual Integrations  
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 20 02:06:23 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL031125.M  
Quant Title : GC Extractables  
QLast Update : Tue Mar 11 17:42:21 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 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 x0.25µm





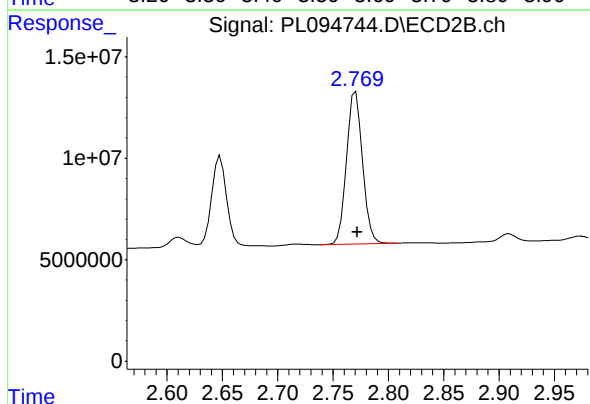
#1 Tetrachloro-m-xylene

R.T.: 3.536 min  
Delta R.T.: -0.002 min  
Response: 61638939  
Conc: 21.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TAP-IDW-SOIL-031325-01MS

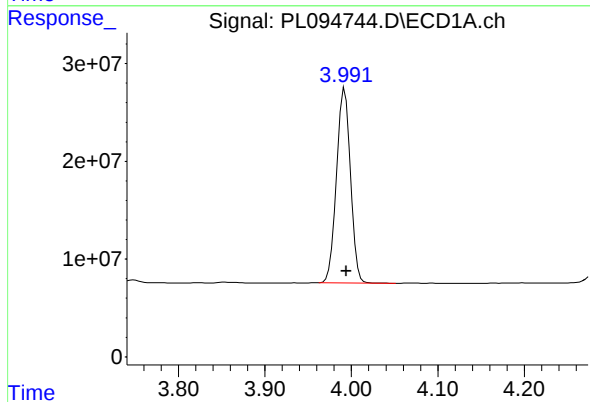
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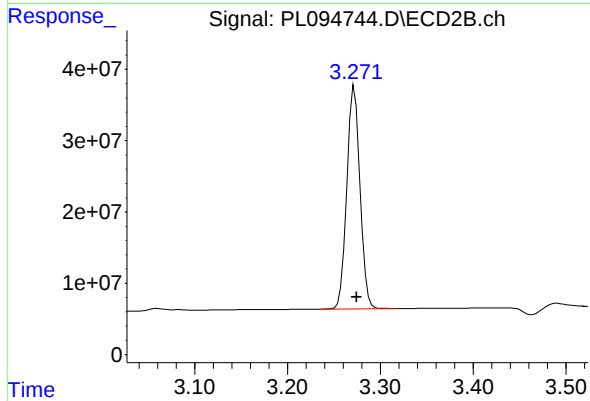
#1 Tetrachloro-m-xylene

R.T.: 2.770 min  
Delta R.T.: -0.001 min  
Response: 75824624  
Conc: 21.24 ng/ml



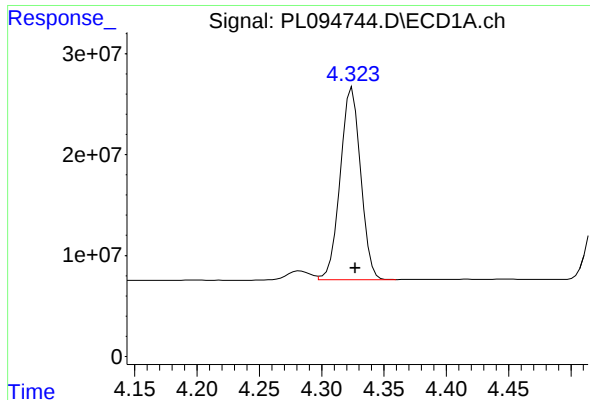
#2 alpha-BHC

R.T.: 3.992 min  
Delta R.T.: -0.002 min  
Response: 219894926  
Conc: 52.96 ng/ml



#2 alpha-BHC

R.T.: 3.271 min  
Delta R.T.: -0.004 min  
Response: 308397815  
Conc: 57.20 ng/ml m



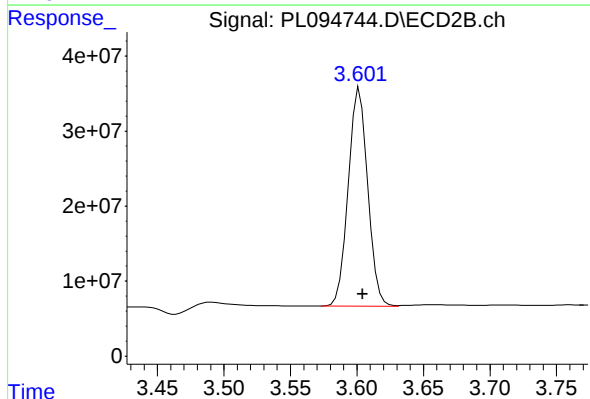
#3 gamma-BHC (Lindane)

R.T.: 4.323 min  
Delta R.T.: -0.004 min  
Response: 216649652  
Conc: 54.29 ng/ml

Instrument :  
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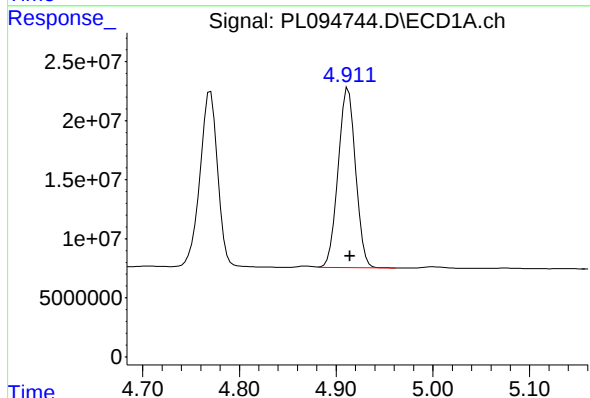
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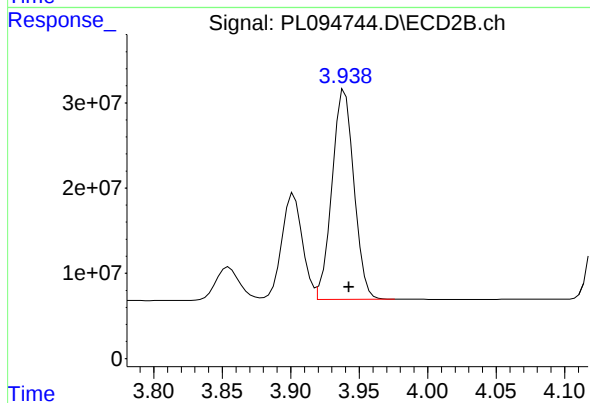
#3 gamma-BHC (Lindane)

R.T.: 3.601 min  
Delta R.T.: -0.004 min  
Response: 297423838  
Conc: 57.87 ng/ml



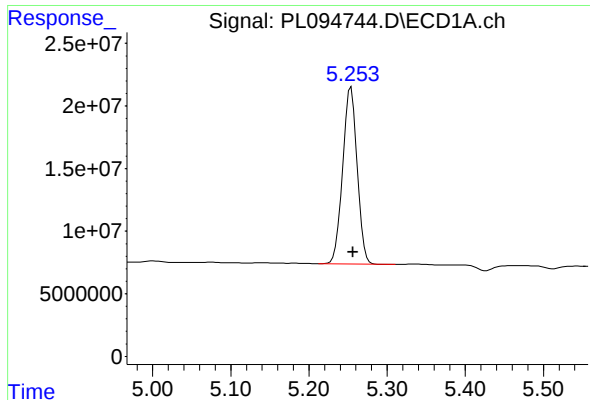
#4 Heptachlor

R.T.: 4.913 min  
Delta R.T.: -0.002 min  
Response: 191005084  
Conc: 49.21 ng/ml



#4 Heptachlor

R.T.: 3.939 min  
Delta R.T.: -0.003 min  
Response: 274788560  
Conc: 52.16 ng/ml



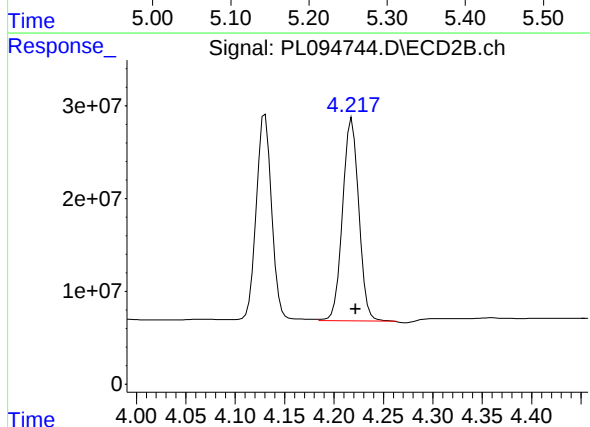
#5 Aldrin

R.T.: 5.254 min  
Delta R.T.: -0.002 min  
Response: 181792213  
Conc: 49.24 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TAP-IDW-SOIL-031325-01MS

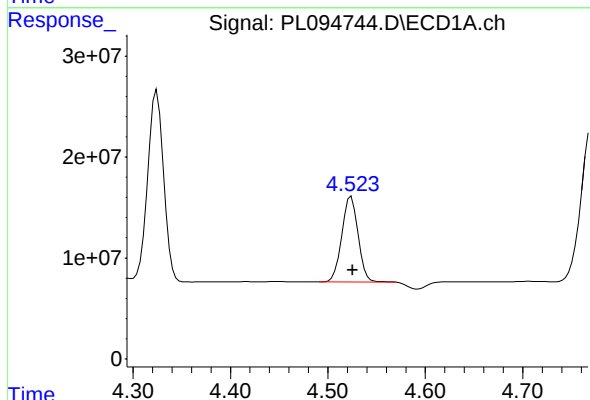
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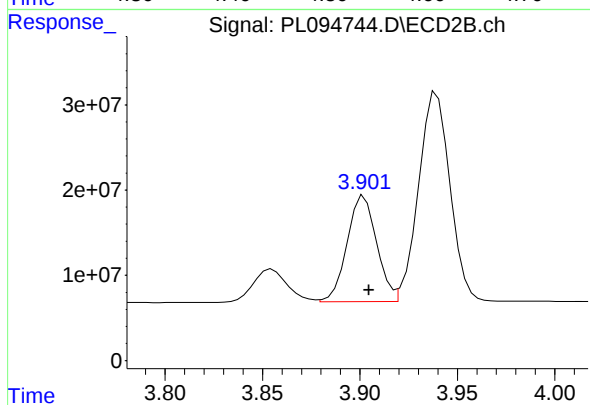
#5 Aldrin

R.T.: 4.218 min  
Delta R.T.: -0.004 min  
Response: 248999413  
Conc: 51.06 ng/ml



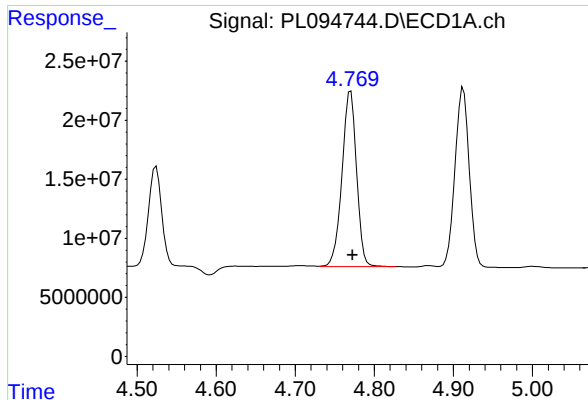
#6 beta-BHC

R.T.: 4.524 min  
Delta R.T.: -0.001 min  
Response: 98723090  
Conc: 53.50 ng/ml



#6 beta-BHC

R.T.: 3.902 min  
Delta R.T.: -0.003 min  
Response: 131176166  
Conc: 59.05 ng/ml



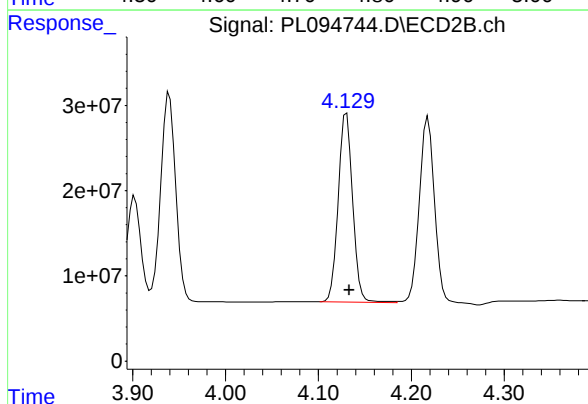
#7 delta-BHC

R.T.: 4.770 min  
Delta R.T.: -0.003 min  
Response: 190309931  
Conc: 48.87 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TAP-IDW-SOIL-031325-01MS

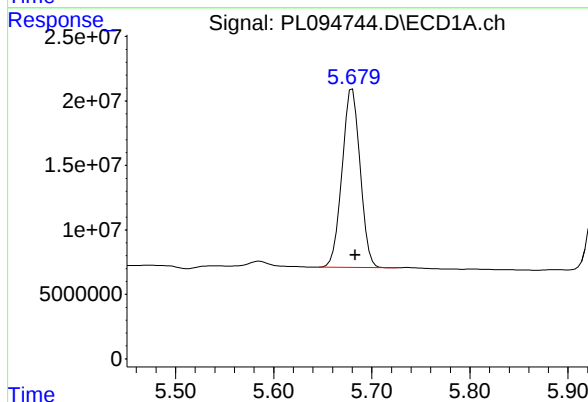
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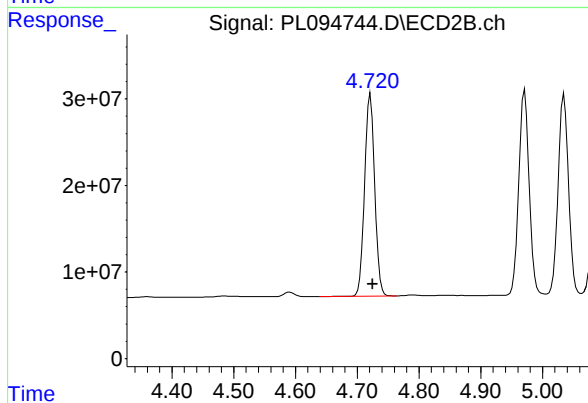
#7 delta-BHC

R.T.: 4.130 min  
Delta R.T.: -0.003 min  
Response: 239709607  
Conc: 47.92 ng/ml



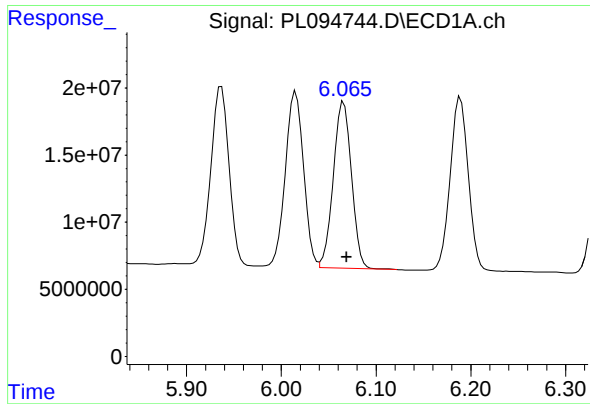
#8 Heptachlor epoxide

R.T.: 5.680 min  
Delta R.T.: -0.003 min  
Response: 177055005  
Conc: 52.93 ng/ml



#8 Heptachlor epoxide

R.T.: 4.721 min  
Delta R.T.: -0.003 min  
Response: 264778167  
Conc: 57.83 ng/ml



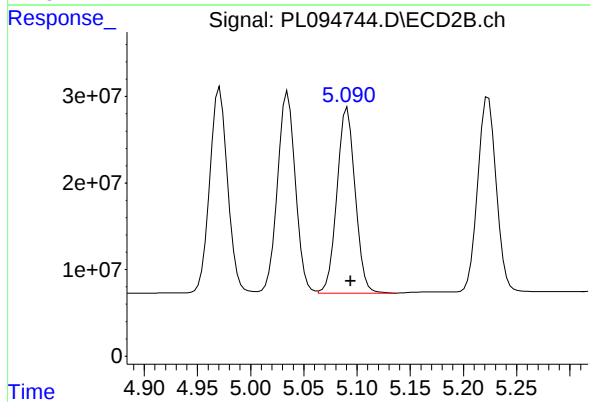
#9 Endosulfan I

R.T.: 6.066 min  
Delta R.T.: -0.003 min  
Response: 164960022  
Conc: 53.73 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TAP-IDW-SOIL-031325-01MS

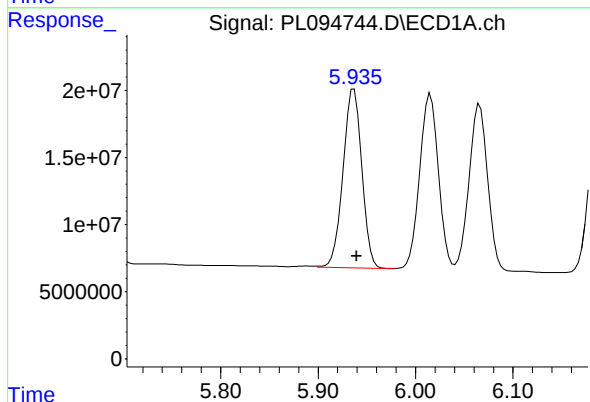
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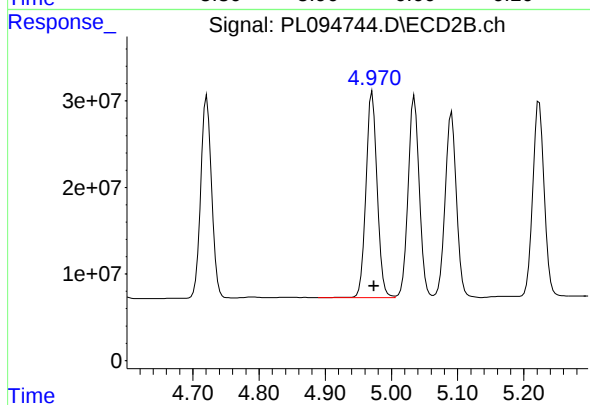
#9 Endosulfan I

R.T.: 5.091 min  
Delta R.T.: -0.003 min  
Response: 256019838  
Conc: 58.34 ng/ml



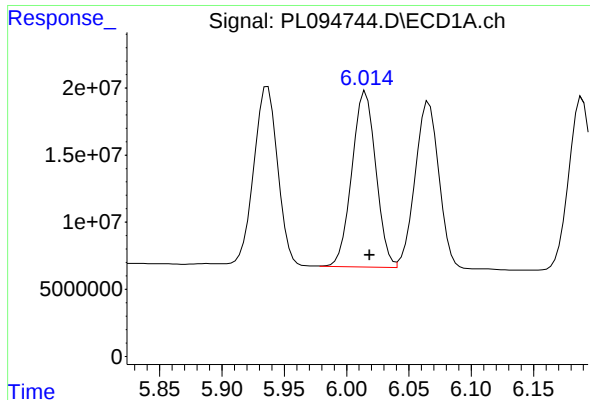
#10 gamma-Chlordane

R.T.: 5.937 min  
Delta R.T.: -0.003 min  
Response: 178724561  
Conc: 53.04 ng/ml



#10 gamma-Chlordane

R.T.: 4.971 min  
Delta R.T.: -0.003 min  
Response: 280148710  
Conc: 58.02 ng/ml



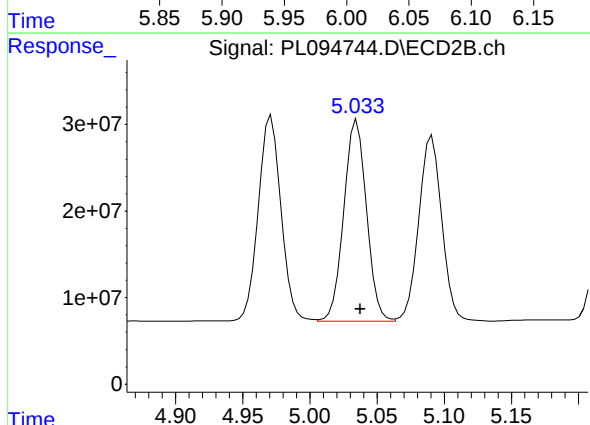
#11 alpha-Chlordane

R.T.: 6.015 min  
Delta R.T.: -0.003 min  
Response: 175398505  
Conc: 53.20 ng/ml

Instrument :  
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ClientSampleId :  
TAP-IDW-SOIL-031325-01MS

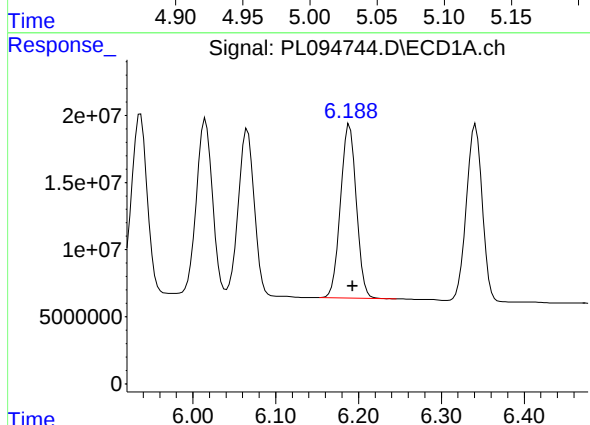
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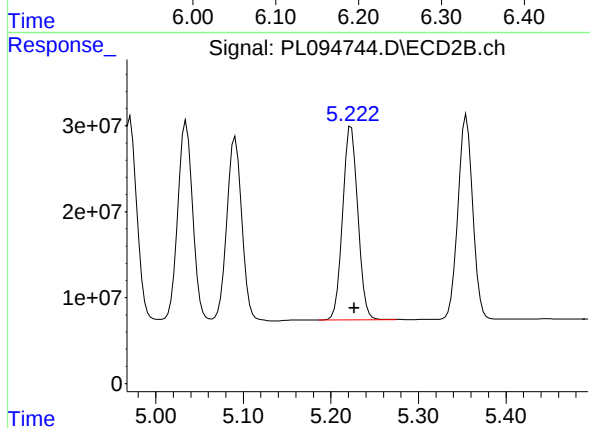
#11 alpha-Chlordane

R.T.: 5.035 min  
Delta R.T.: -0.003 min  
Response: 274889852  
Conc: 57.60 ng/ml



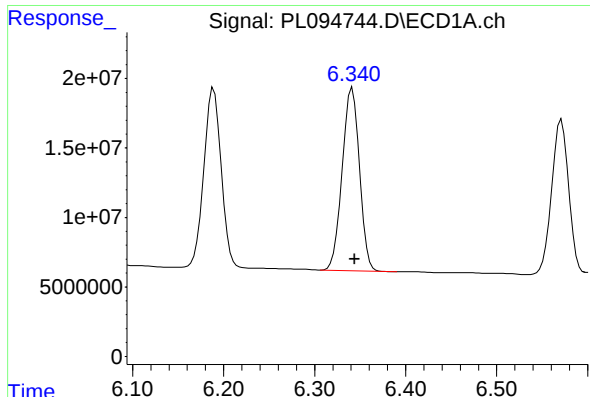
#12 4,4'-DDE

R.T.: 6.189 min  
Delta R.T.: -0.004 min  
Response: 171870252  
Conc: 58.42 ng/ml



#12 4,4'-DDE

R.T.: 5.222 min  
Delta R.T.: -0.005 min  
Response: 271875211  
Conc: 58.49 ng/ml m



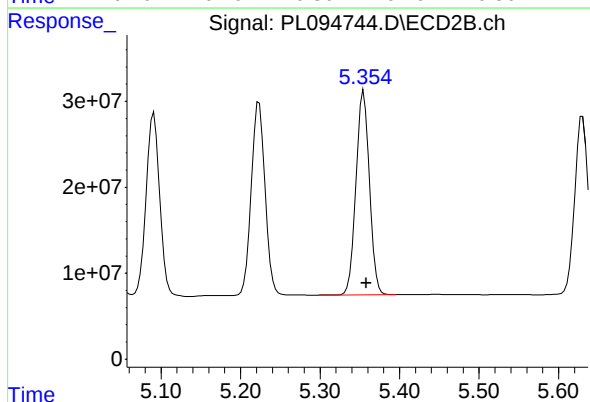
#13 Dieldrin

R.T.: 6.341 min  
Delta R.T.: -0.003 min  
Response: 174159484  
Conc: 54.46 ng/ml

Instrument :  
ECD\_L  
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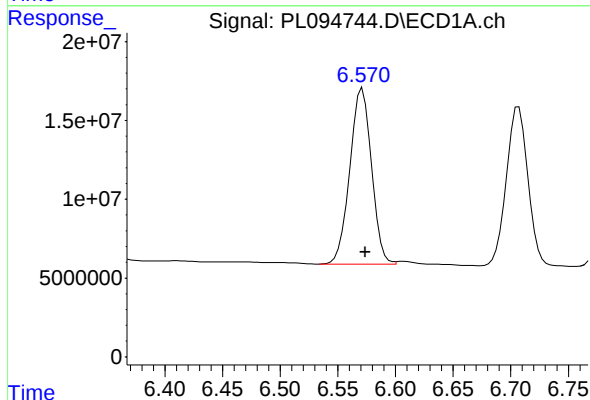
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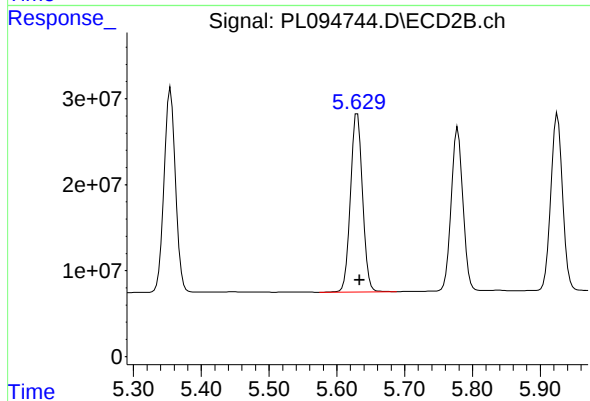
#13 Dieldrin

R.T.: 5.355 min  
Delta R.T.: -0.003 min  
Response: 279100425  
Conc: 57.52 ng/ml



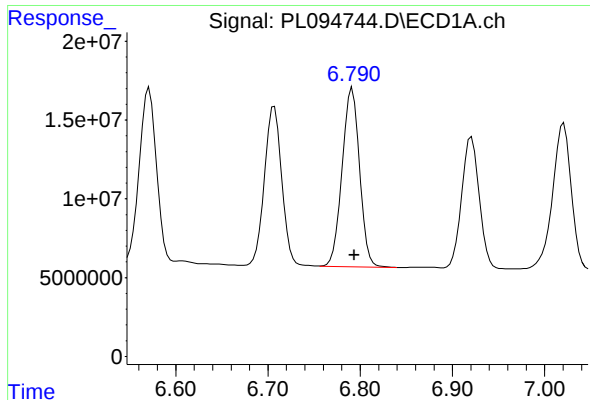
#14 Endrin

R.T.: 6.570 min  
Delta R.T.: -0.004 min  
Response: 146008096  
Conc: 52.67 ng/ml m



#14 Endrin

R.T.: 5.630 min  
Delta R.T.: -0.003 min  
Response: 253406863  
Conc: 58.07 ng/ml



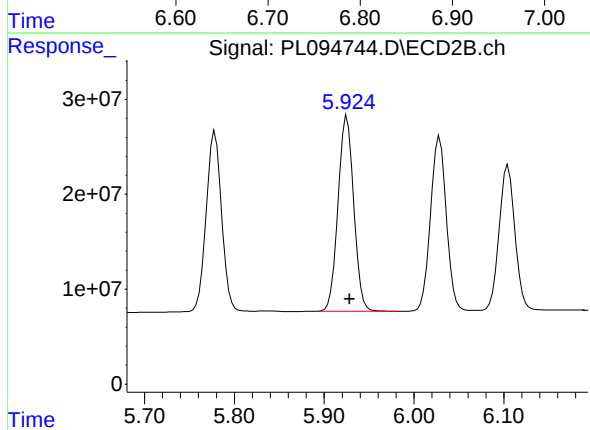
#15 Endosulfan II

R.T.: 6.792 min  
Delta R.T.: -0.002 min  
Response: 148866413  
Conc: 54.84 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TAP-IDW-SOIL-031325-01MS

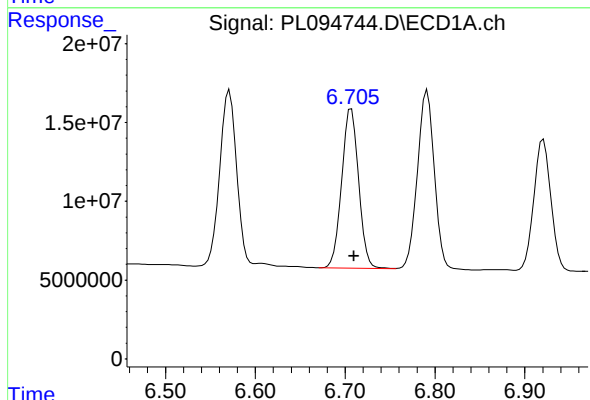
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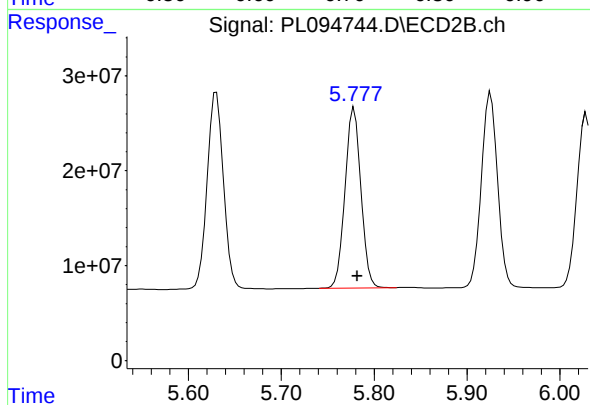
#15 Endosulfan II

R.T.: 5.925 min  
Delta R.T.: -0.003 min  
Response: 249511765  
Conc: 57.65 ng/ml



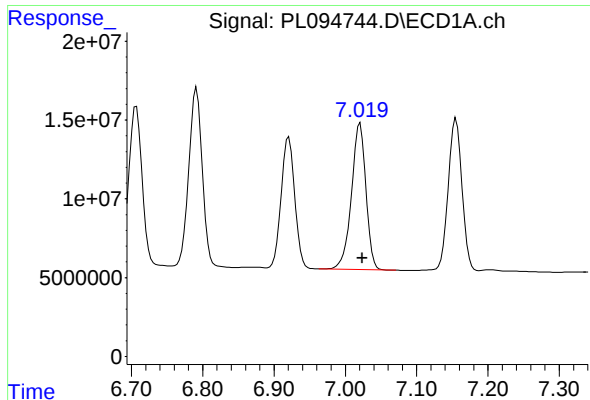
#16 4,4'-DDD

R.T.: 6.707 min  
Delta R.T.: -0.003 min  
Response: 132261074  
Conc: 61.06 ng/ml



#16 4,4'-DDD

R.T.: 5.779 min  
Delta R.T.: -0.003 min  
Response: 225820149  
Conc: 62.80 ng/ml



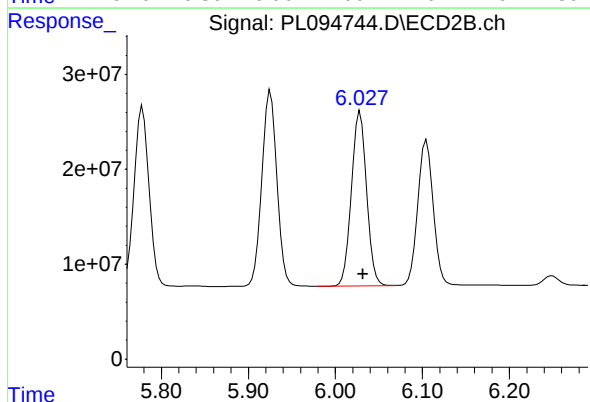
#17 4,4'-DDT

R.T.: 7.021 min  
Delta R.T.: -0.003 min  
Response: 130739078  
Conc: 54.97 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TAP-IDW-SOIL-031325-01MS

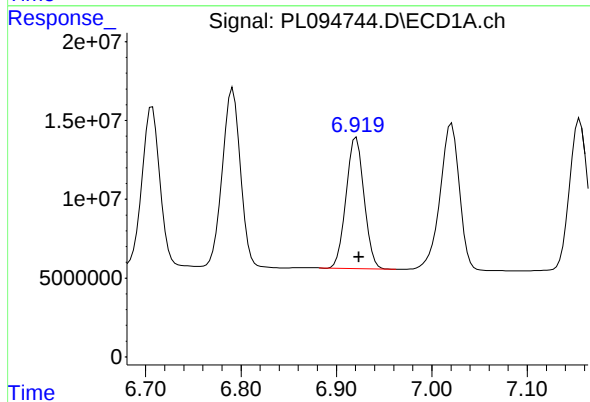
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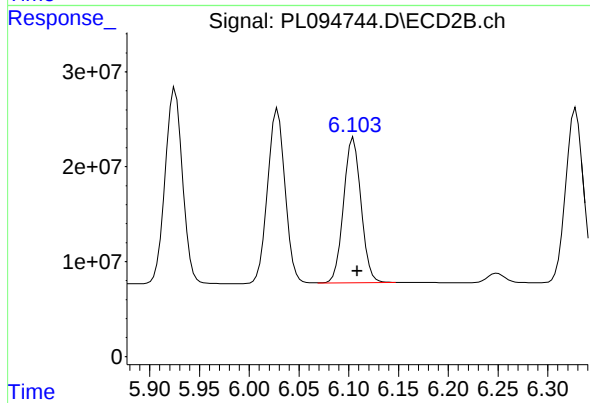
#17 4,4'-DDT

R.T.: 6.028 min  
Delta R.T.: -0.003 min  
Response: 224180708  
Conc: 55.60 ng/ml



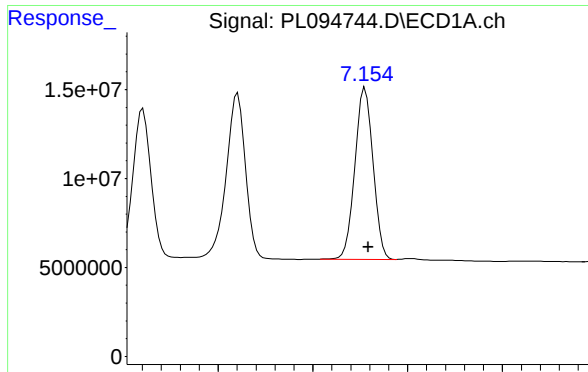
#18 Endrin aldehyde

R.T.: 6.921 min  
Delta R.T.: -0.003 min  
Response: 109602334  
Conc: 51.92 ng/ml



#18 Endrin aldehyde

R.T.: 6.105 min  
Delta R.T.: -0.004 min  
Response: 187163287  
Conc: 55.61 ng/ml



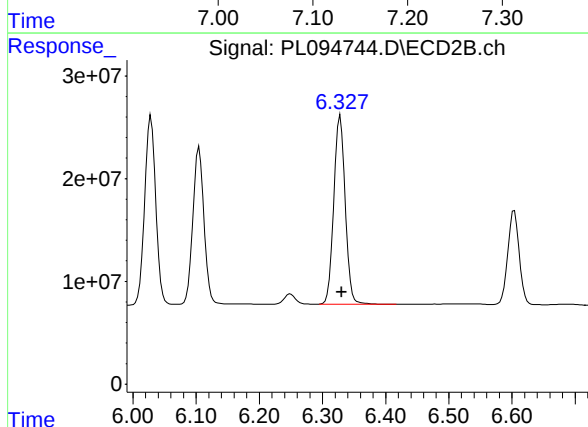
#19 Endosulfan Sulfate

R.T.: 7.155 min  
Delta R.T.: -0.003 min  
Response: 128926187  
Conc: 53.01 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TAP-IDW-SOIL-031325-01MS

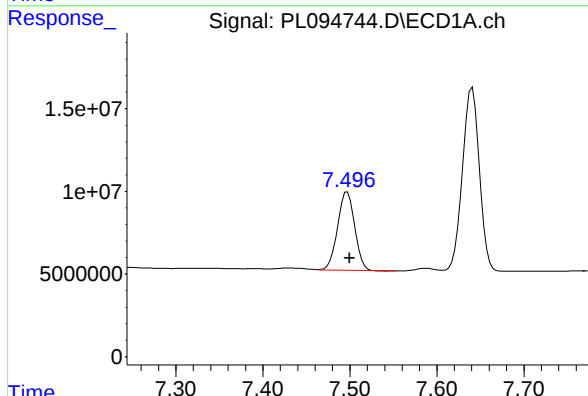
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/20/2025  
Supervised By :mohammad ahmed 03/24/2025



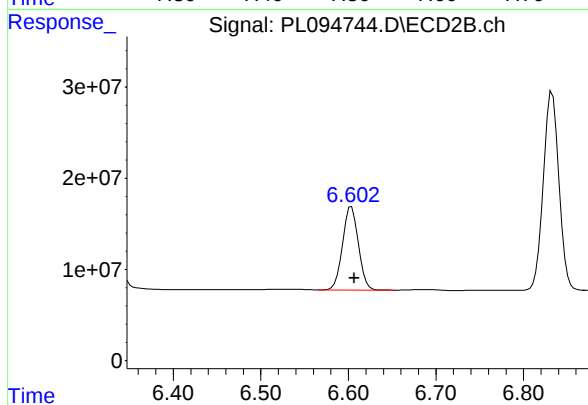
#19 Endosulfan Sulfate

R.T.: 6.328 min  
Delta R.T.: -0.003 min  
Response: 230769076  
Conc: 56.65 ng/ml



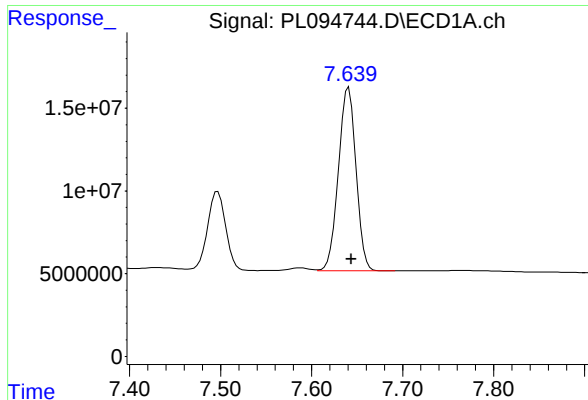
#20 Methoxychlor

R.T.: 7.497 min  
Delta R.T.: -0.003 min  
Response: 64681005  
Conc: 54.03 ng/ml



#20 Methoxychlor

R.T.: 6.604 min  
Delta R.T.: -0.003 min  
Response: 114939628  
Conc: 54.19 ng/ml



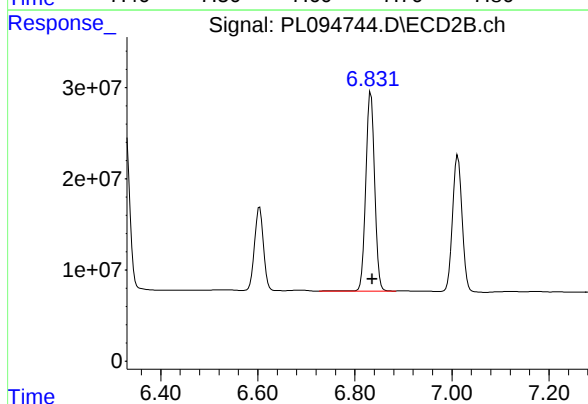
#21 Endrin ketone

R.T.: 7.641 min  
Delta R.T.: -0.003 min  
Response: 148886970  
Conc: 56.33 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TAP-IDW-SOIL-031325-01MS

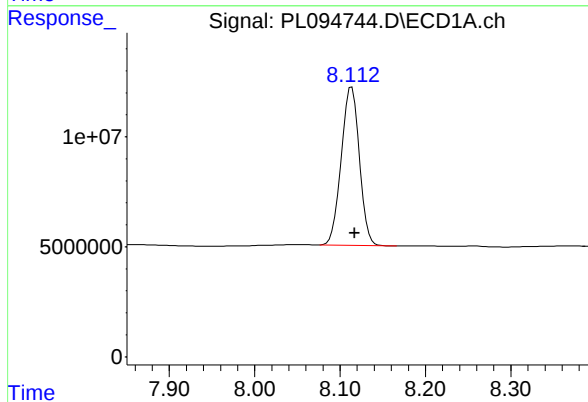
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/20/2025  
Supervised By :mohammad ahmed 03/24/2025



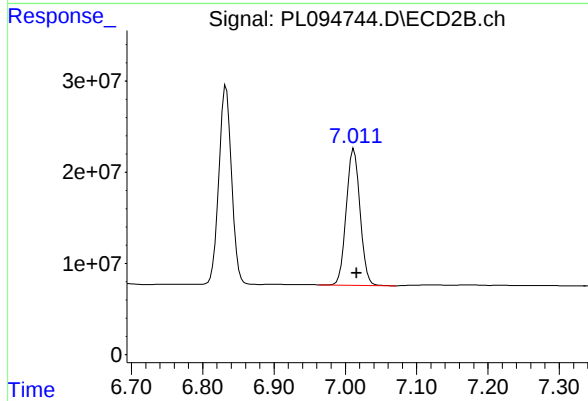
#21 Endrin ketone

R.T.: 6.833 min  
Delta R.T.: -0.003 min  
Response: 270480470  
Conc: 56.67 ng/ml



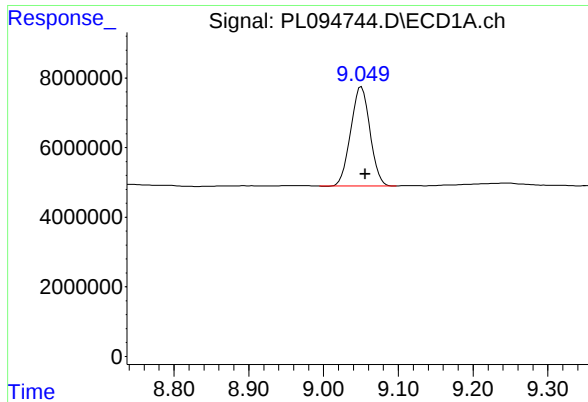
#22 Mirex

R.T.: 8.114 min  
Delta R.T.: -0.003 min  
Response: 105925270  
Conc: 51.26 ng/ml



#22 Mirex

R.T.: 7.012 min  
Delta R.T.: -0.004 min  
Response: 200947250  
Conc: 52.95 ng/ml



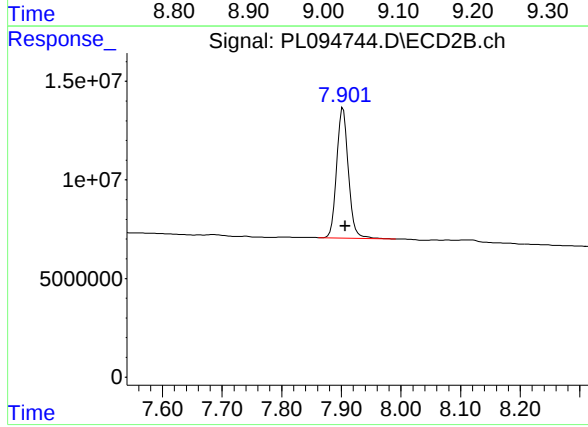
#28 Decachlorobiphenyl

R.T.: 9.051 min  
Delta R.T.: -0.005 min  
Response: 51086676  
Conc: 24.24 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TAP-IDW-SOIL-031325-01MS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/20/2025  
Supervised By :mohammad ahmed 03/24/2025



#28 Decachlorobiphenyl

R.T.: 7.903 min  
Delta R.T.: -0.004 min  
Response: 90008863  
Conc: 22.28 ng/ml