

Data Path : P:\HPCHEM1\ECD L\Data\PL012918\  
 Data File : PL032673.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 30 Jan 2018 2:06  
 Operator : UA\AJ  
 Sample : J1290-01MSD  
 Misc :  
 ALS Vial : 58 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 SB-51-10.5-11.0MSD

Manual Integrations  
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Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 30 05:15:46 2018  
 Quant Method : P:\HPCHEM1\ECD\_L\methods\PL012618.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Jan 27 04:03:48 2018  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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 x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2   | nq/ml   | nq/ml    |
|-----------------------------|-----------------|-------|-------|---------|----------|---------|----------|
| -----                       |                 |       |       |         |          |         |          |
| System Monitoring Compounds |                 |       |       |         |          |         |          |
| 1)                          | SA Tetrachlo... | 3.408 | 3.993 | 199.9E6 | 27032453 | 22.361  | 21.586   |
| 28)                         | SA Decachlor... | 8.114 | 9.029 | 193.3E6 | 40490160 | 16.615  | 21.288 # |
| Target Compounds            |                 |       |       |         |          |         |          |
| 2)                          | A alpha-BHC     | 3.846 | 4.373 | 789.7E6 | 134.9E6  | 56.123  | 58.217   |
| 3)                          | MA gamma-BHC... | 4.127 | 4.652 | 690.0E6 | 128.3E6  | 53.437  | 59.747m  |
| 4)                          | MA Heptachlor   | 4.416 | 5.169 | 667.2E6 | 108.0E6  | 50.403  | 51.723   |
| 5)                          | MB Aldrin       | 4.658 | 5.472 | 654.6E6 | 114.7E6  | 50.929  | 54.773   |
| 6)                          | B beta-BHC      | 4.378 | 4.815 | 297.2E6 | 46874104 | 52.041  | 49.113   |
| 7)                          | B delta-BHC     | 4.577 | 5.029 | 706.4E6 | 121.9E6  | 52.923  | 54.837   |
| 8)                          | B Heptachlo...  | 5.098 | 5.850 | 610.9E6 | 101.2E6  | 51.613m | 56.621m  |
| 9)                          | A Endosulfan I  | 5.432 | 6.204 | 470.5E6 | 99587441 | 41.224m | 55.191m# |
| 10)                         | B gamma-Chl...  | 5.322 | 6.084 | 634.9E6 | 100.7E6  | 49.196  | 51.661m  |
| 11)                         | B alpha-Chl...  | 5.380 | 6.160 | 602.8E6 | 96963224 | 48.449  | 51.158   |
| 12)                         | B 4,4'-DDE      | 5.547 | 6.315 | 650.1E6 | 98372377 | 51.163  | 51.583   |
| 13)                         | MA Dieldrin     | 5.674 | 6.458 | 632.3E6 | 100.2E6  | 49.391  | 52.441   |
| 14)                         | MA Endrin       | 5.930 | 6.672 | 549.7E6 | 88764648 | 47.067  | 52.636m  |
| 15)                         | B Endosulfa...  | 6.203 | 6.875 | 499.0E6 | 84870884 | 42.529  | 48.203   |
| 16)                         | A 4,4'-DDD      | 6.060 | 6.795 | 511.6E6 | 85036791 | 48.624  | 59.624   |
| 17)                         | MA 4,4'-DDT     | 6.297 | 7.096 | 383.7E6 | 54475633 | 36.294  | 40.854   |
| 18)                         | B Endrin al...  | 6.371 | 6.996 | 375.8E6 | 66971827 | 38.050m | 45.228m  |
| 19)                         | B Endosulfa...  | 6.583 | 7.220 | 438.6E6 | 74140532 | 39.593  | 45.971m  |
| 20)                         | A Methoxychlor  | 6.845 | 7.551 | 189.4E6 | 31228974 | 32.597  | 38.313   |
| 21)                         | B Endrin ke...  | 7.069 | 7.684 | 509.3E6 | 83562860 | 40.660m | 46.271   |
| -----                       |                 |       |       |         |          |         |          |

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

Data Path : P:\HPCHEM1\ECD L\Data\PL012918\  
Data File : PL032673.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 30 Jan 2018 2:06  
Operator : UA\AJ  
Sample : J1290-01MSD  
Misc :  
ALS Vial : 58 Sample Multiplier: 1

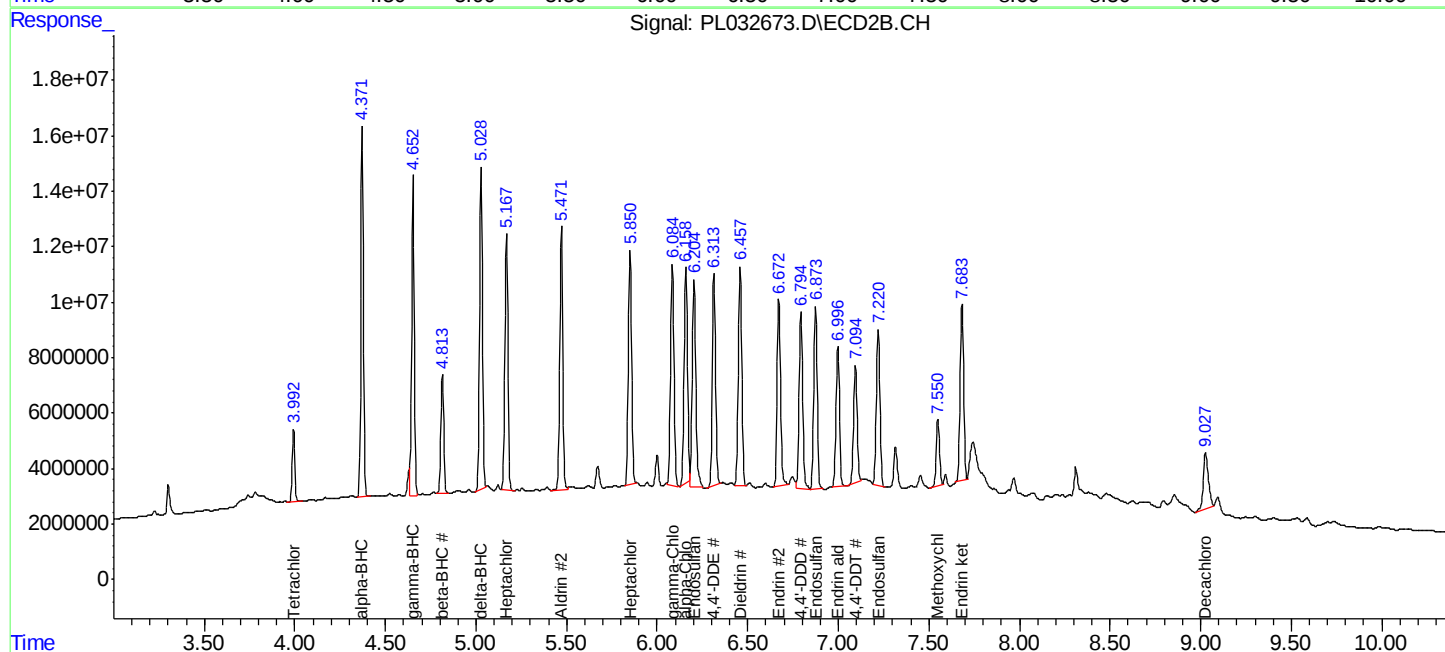
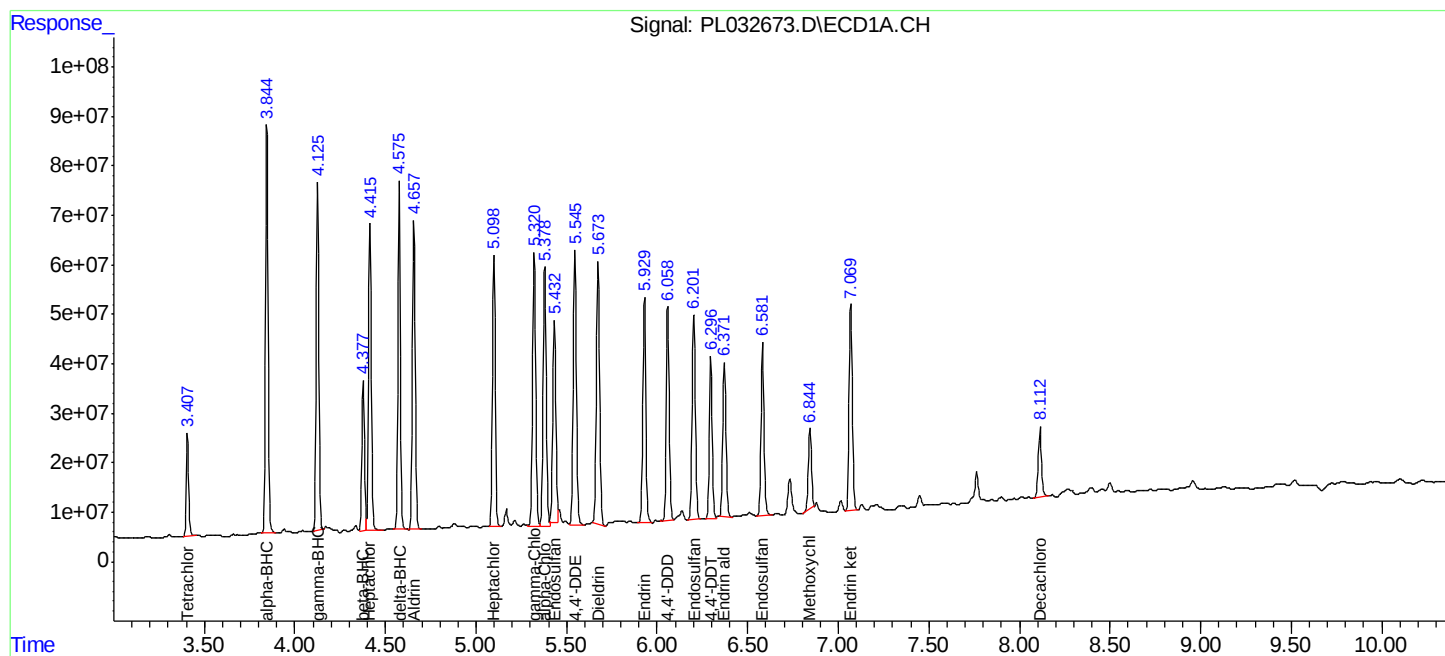
Instrument :  
ECD\_L  
ClientSampleId :  
SB-51-10.5-11.0MSD

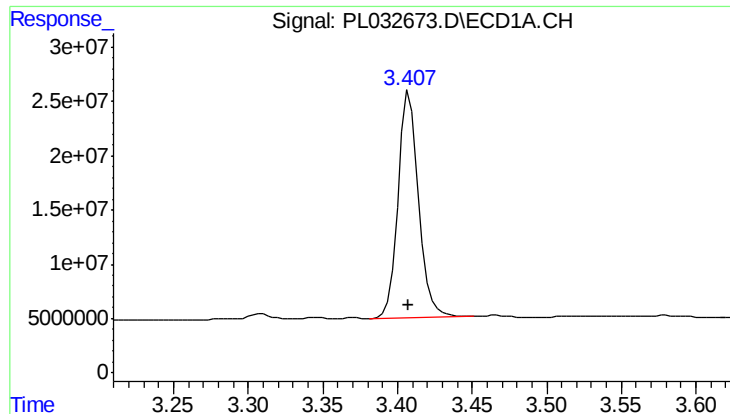
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 30 05:15:46 2018  
Quant Method : P:\HPCHEM1\ECD\_L\methods\PL012618.M  
Quant Title : GC Extractables  
QLast Update : Sat Jan 27 04:03:48 2018  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Ini. : 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 x0.25µm





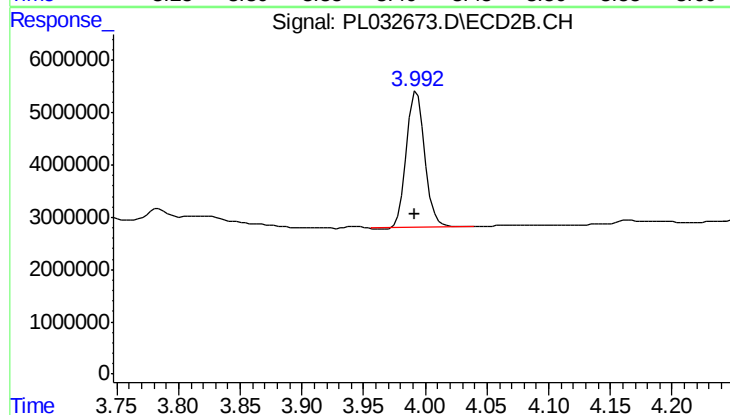
#1 Tetrachloro-m-xylene

R.T.: 3.408 min  
Delta R.T.: 0.001 min  
Response: 199906350  
Conc: 22.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-51-10.5-11.0MSD

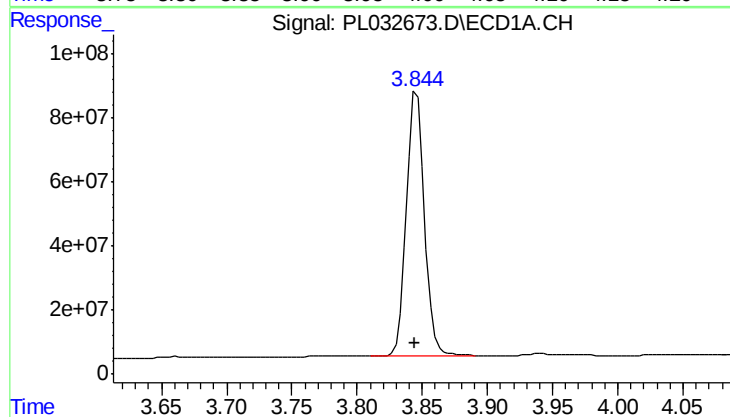
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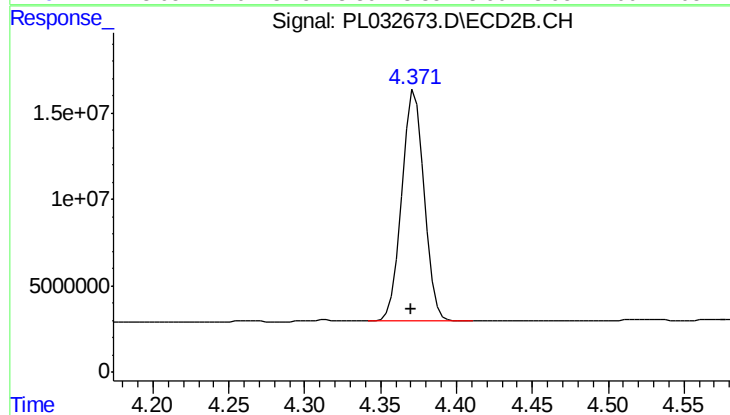
#1 Tetrachloro-m-xylene

R.T.: 3.993 min  
Delta R.T.: 0.002 min  
Response: 27032453  
Conc: 21.59 ng/ml



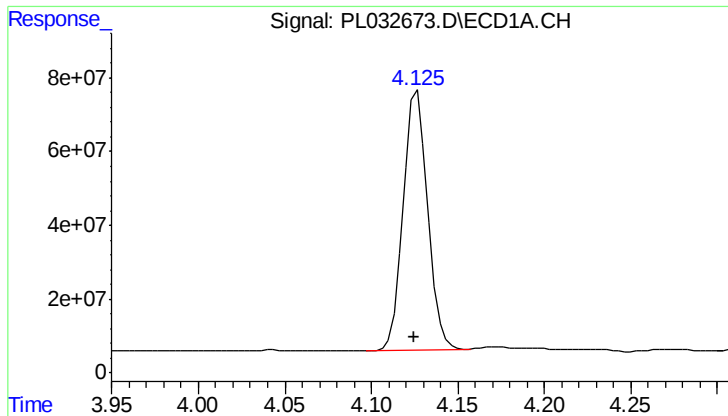
#2 alpha-BHC

R.T.: 3.846 min  
Delta R.T.: 0.002 min  
Response: 789670461  
Conc: 56.12 ng/ml



#2 alpha-BHC

R.T.: 4.373 min  
Delta R.T.: 0.003 min  
Response: 134851157  
Conc: 58.22 ng/ml



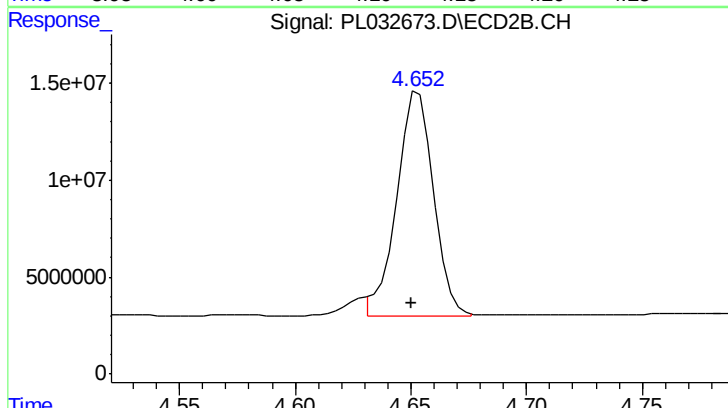
#3 gamma-BHC (Lindane)

R.T.: 4.127 min  
Delta R.T.: 0.002 min  
Response: 689970504  
Conc: 53.44 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-51-10.5-11.0MSD

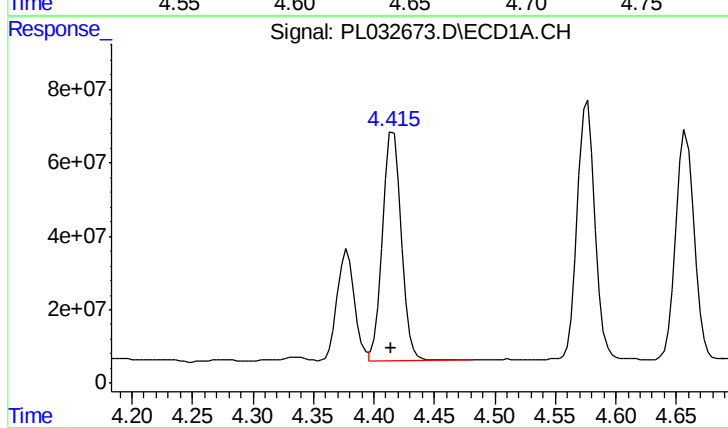
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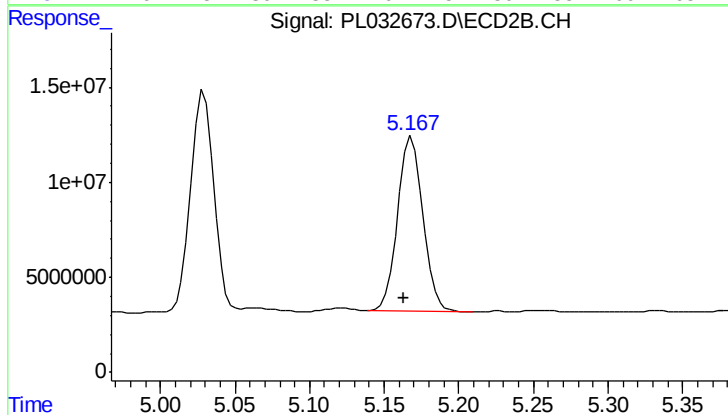
#3 gamma-BHC (Lindane)

R.T.: 4.652 min  
Delta R.T.: 0.002 min  
Response: 128342066  
Conc: 59.75 ng/ml m



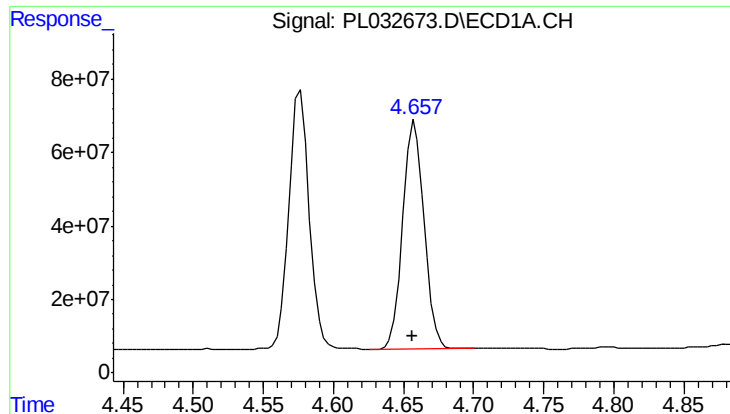
#4 Heptachlor

R.T.: 4.416 min  
Delta R.T.: 0.002 min  
Response: 667200621  
Conc: 50.40 ng/ml



#4 Heptachlor

R.T.: 5.169 min  
Delta R.T.: 0.005 min  
Response: 107985014  
Conc: 51.72 ng/ml



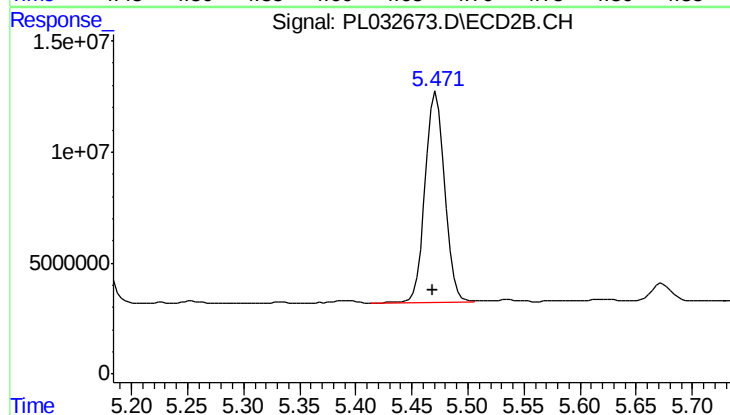
#5 Aldrin

R.T.: 4.658 min  
Delta R.T.: 0.002 min  
Response: 654563680  
Conc: 50.93 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-51-10.5-11.0MSD

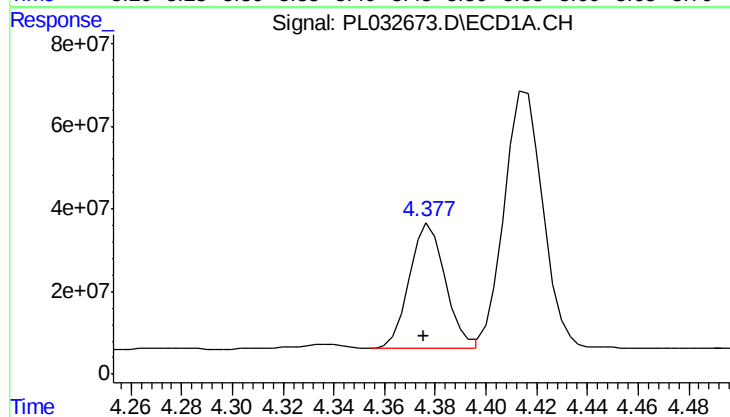
Manual Integrations  
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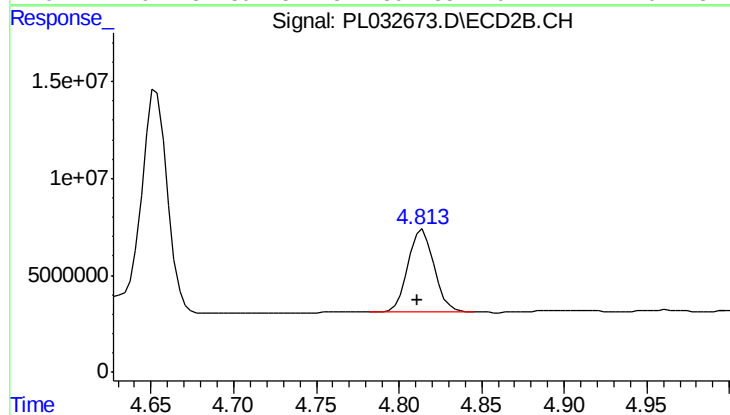
#5 Aldrin

R.T.: 5.472 min  
Delta R.T.: 0.004 min  
Response: 114697722  
Conc: 54.77 ng/ml



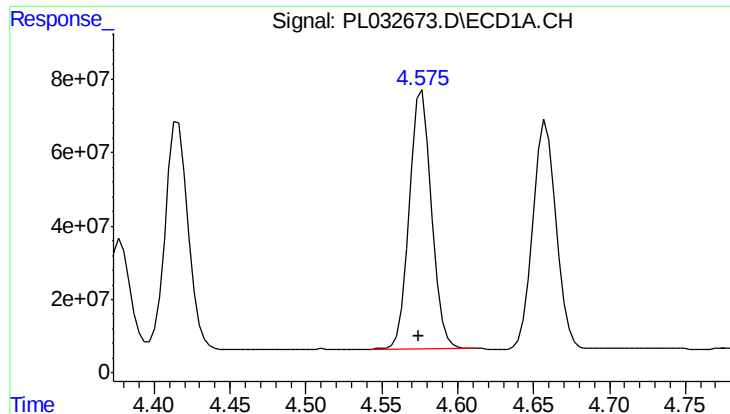
#6 beta-BHC

R.T.: 4.378 min  
Delta R.T.: 0.002 min  
Response: 297215701  
Conc: 52.04 ng/ml



#6 beta-BHC

R.T.: 4.815 min  
Delta R.T.: 0.003 min  
Response: 46874104  
Conc: 49.11 ng/ml



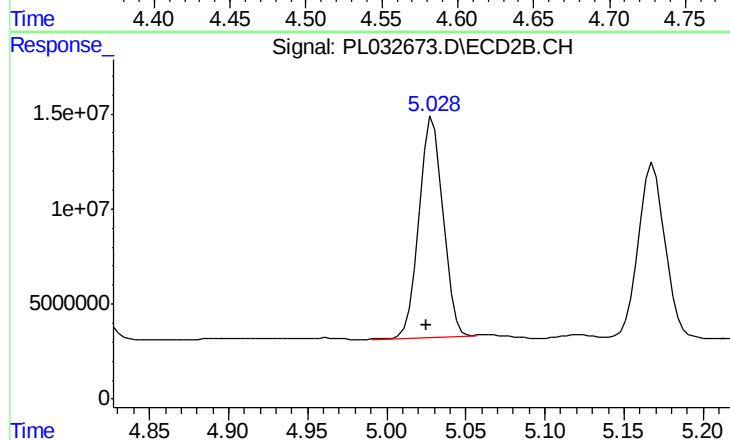
#7 delta-BHC

R.T.: 4.577 min  
Delta R.T.: 0.002 min  
Response: 706416431  
Conc: 52.92 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-51-10.5-11.0MSD

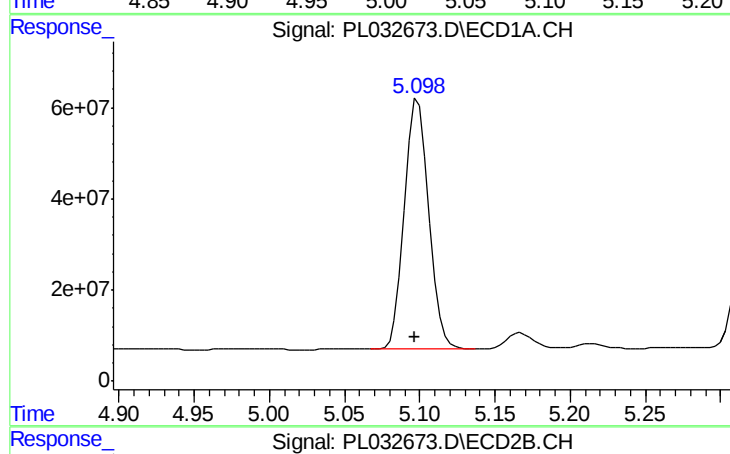
Manual Integrations  
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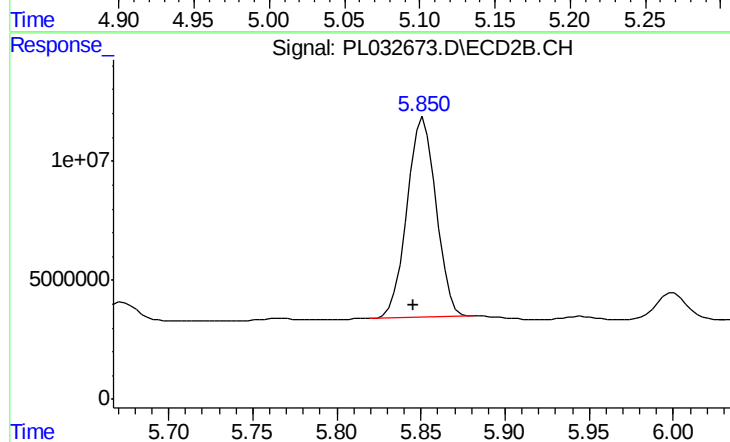
#7 delta-BHC

R.T.: 5.029 min  
Delta R.T.: 0.005 min  
Response: 121923726  
Conc: 54.84 ng/ml



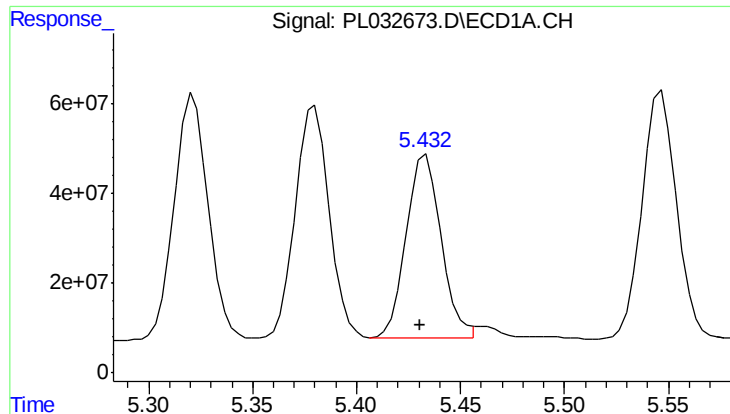
#8 Heptachlor epoxide

R.T.: 5.098 min  
Delta R.T.: 0.000 min  
Response: 610883010  
Conc: 51.61 ng/ml m



#8 Heptachlor epoxide

R.T.: 5.850 min  
Delta R.T.: 0.004 min  
Response: 101231287  
Conc: 56.62 ng/ml m



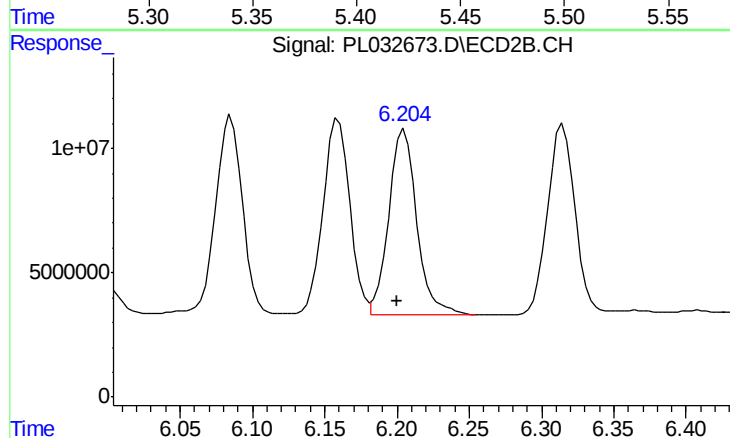
#9 Endosulfan I

R.T.: 5.432 min  
Delta R.T.: 0.002 min  
Response: 470549637  
Conc: 41.22 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-51-10.5-11.0MSD

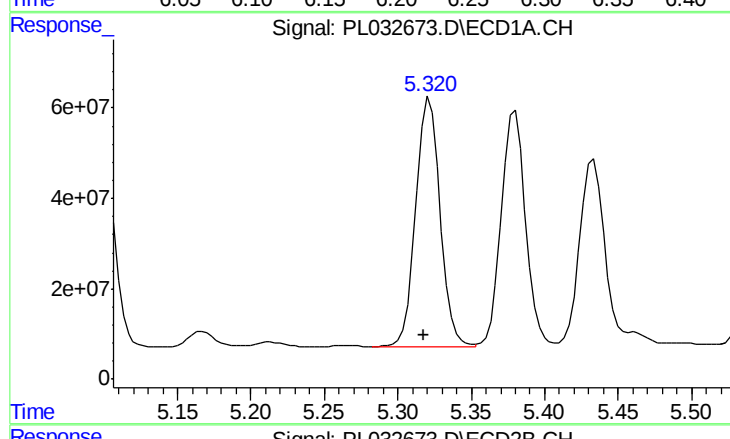
Manual Integrations  
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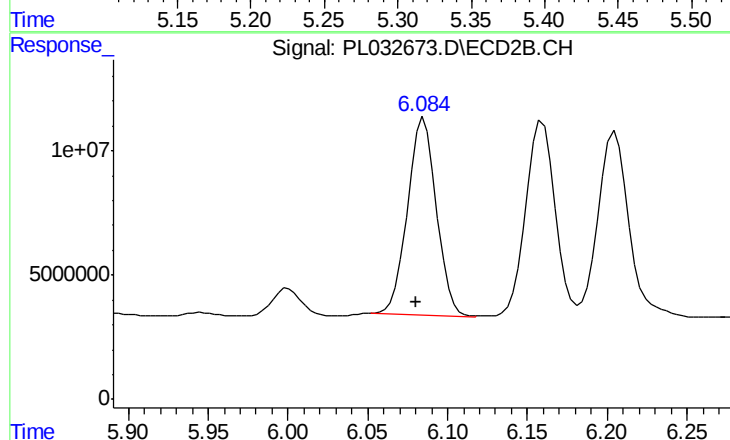
#9 Endosulfan I

R.T.: 6.204 min  
Delta R.T.: 0.004 min  
Response: 99587441  
Conc: 55.19 ng/ml m



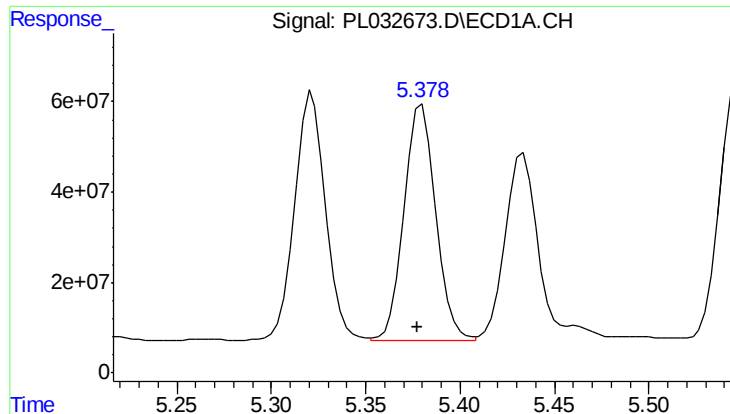
#10 gamma-Chlordane

R.T.: 5.322 min  
Delta R.T.: 0.004 min  
Response: 634940586  
Conc: 49.20 ng/ml



#10 gamma-Chlordane

R.T.: 6.084 min  
Delta R.T.: 0.003 min  
Response: 100729140  
Conc: 51.66 ng/ml m



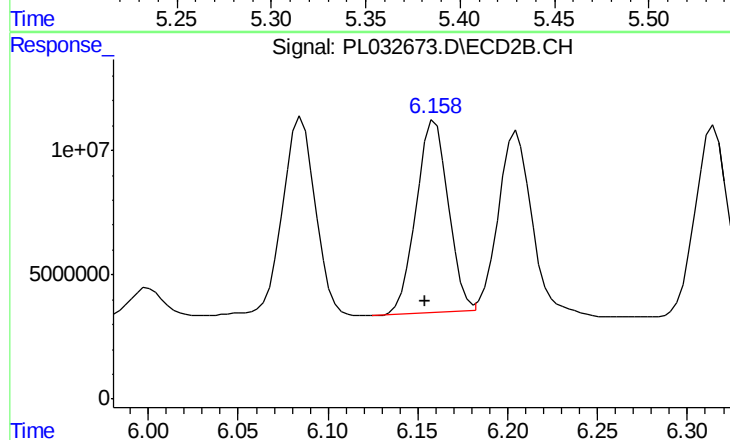
#11 alpha-Chlordane

R.T.: 5.380 min  
Delta R.T.: 0.003 min  
Response: 602785471  
Conc: 48.45 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-51-10.5-11.0MSD

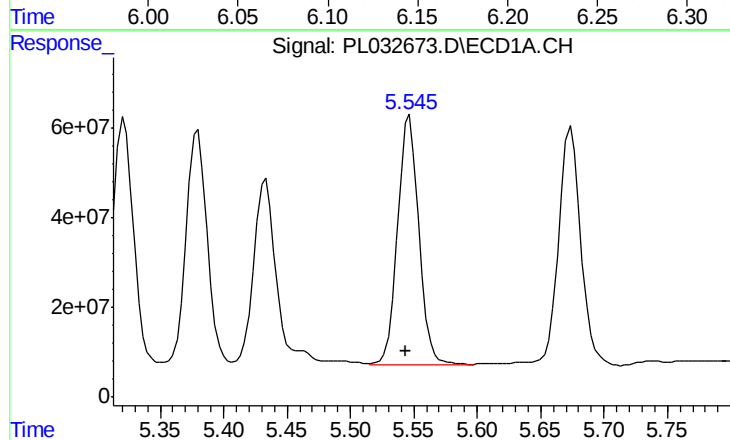
Manual Integrations  
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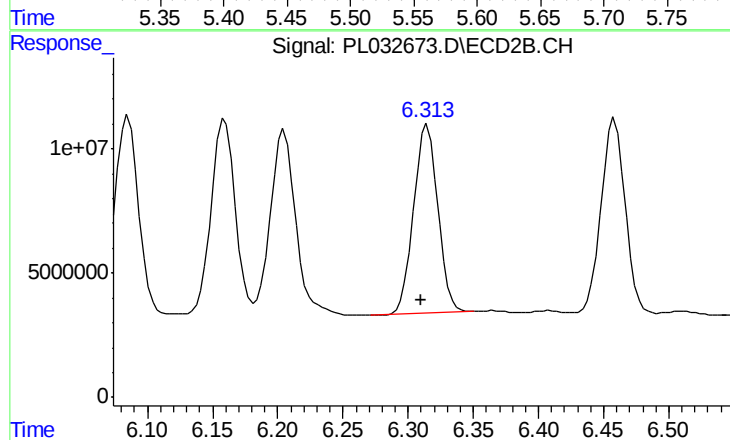
#11 alpha-Chlordane

R.T.: 6.160 min  
Delta R.T.: 0.005 min  
Response: 96963224  
Conc: 51.16 ng/ml



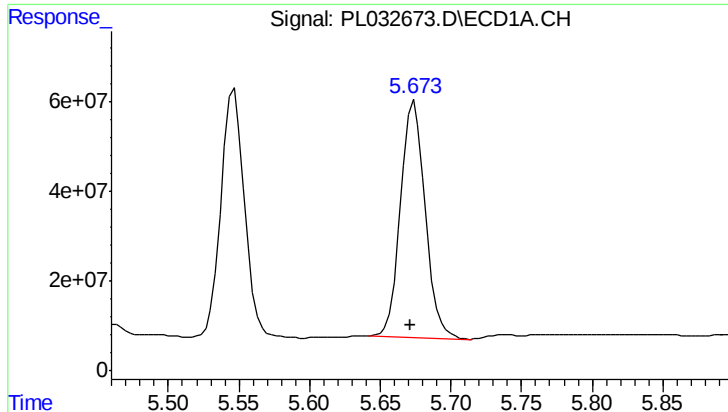
#12 4,4'-DDE

R.T.: 5.547 min  
Delta R.T.: 0.003 min  
Response: 650061402  
Conc: 51.16 ng/ml



#12 4,4'-DDE

R.T.: 6.315 min  
Delta R.T.: 0.005 min  
Response: 98372377  
Conc: 51.58 ng/ml



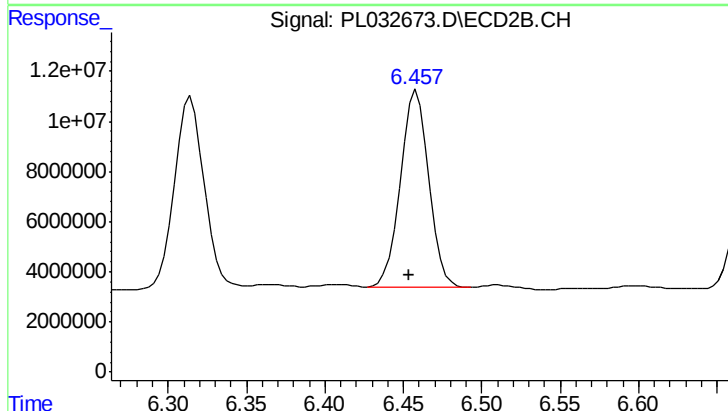
#13 Dielddrin

R.T.: 5.674 min  
Delta R.T.: 0.003 min  
Response: 632315620  
Conc: 49.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-51-10.5-11.0MSD

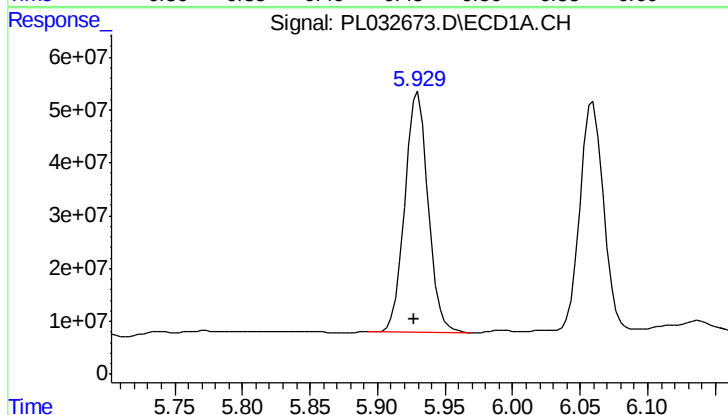
Manual Integrations  
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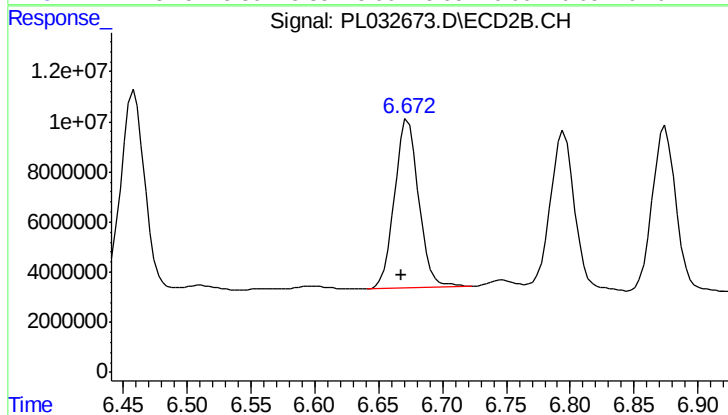
#13 Dielddrin

R.T.: 6.458 min  
Delta R.T.: 0.005 min  
Response: 100217457  
Conc: 52.44 ng/ml



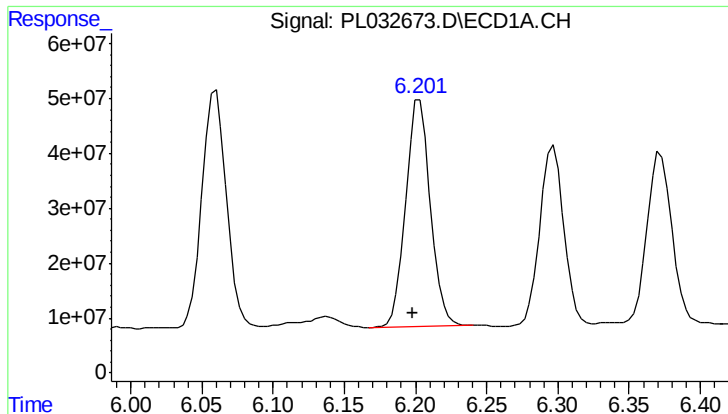
#14 Endrin

R.T.: 5.930 min  
Delta R.T.: 0.003 min  
Response: 549665456  
Conc: 47.07 ng/ml



#14 Endrin

R.T.: 6.672 min  
Delta R.T.: 0.004 min  
Response: 88764648  
Conc: 52.64 ng/ml m



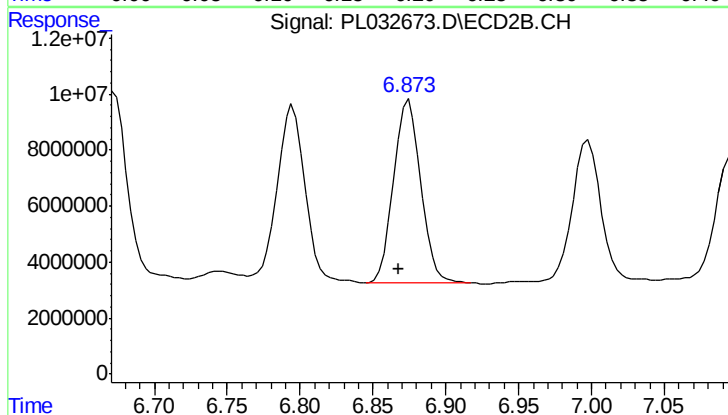
#15 Endosulfan II

R.T.: 6.203 min  
Delta R.T.: 0.005 min  
Response: 498987066  
Conc: 42.53 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-51-10.5-11.0MSD

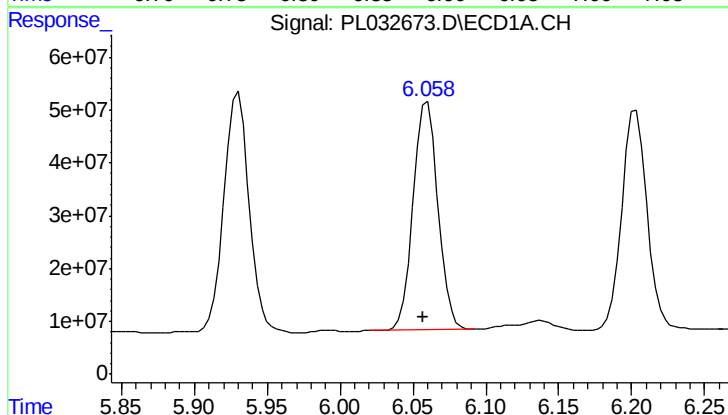
Manual Integrations  
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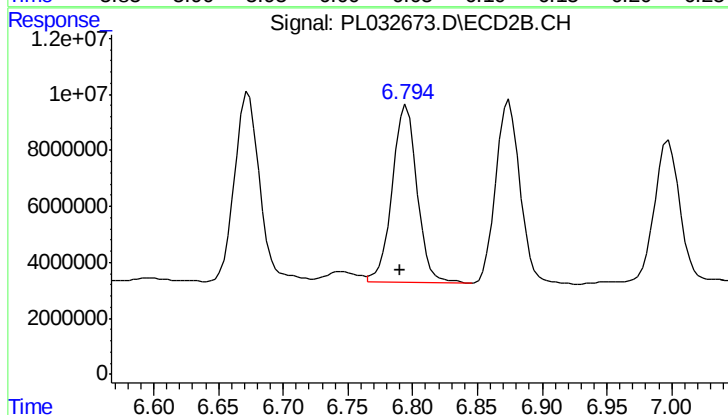
#15 Endosulfan II

R.T.: 6.875 min  
Delta R.T.: 0.007 min  
Response: 84870884  
Conc: 48.20 ng/ml



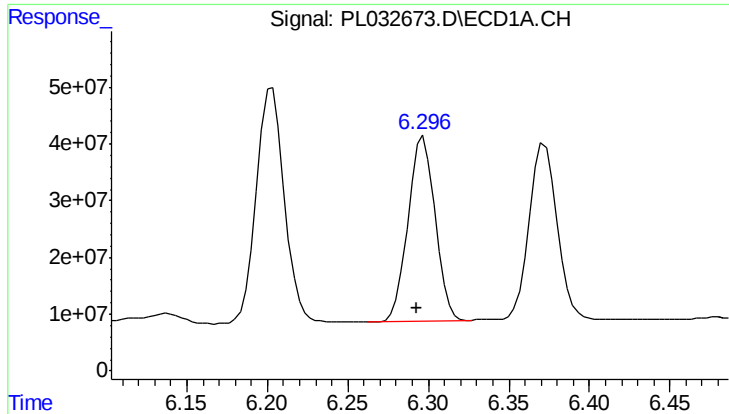
#16 4,4'-DDD

R.T.: 6.060 min  
Delta R.T.: 0.003 min  
Response: 511591602  
Conc: 48.62 ng/ml



#16 4,4'-DDD

R.T.: 6.795 min  
Delta R.T.: 0.005 min  
Response: 85036791  
Conc: 59.62 ng/ml



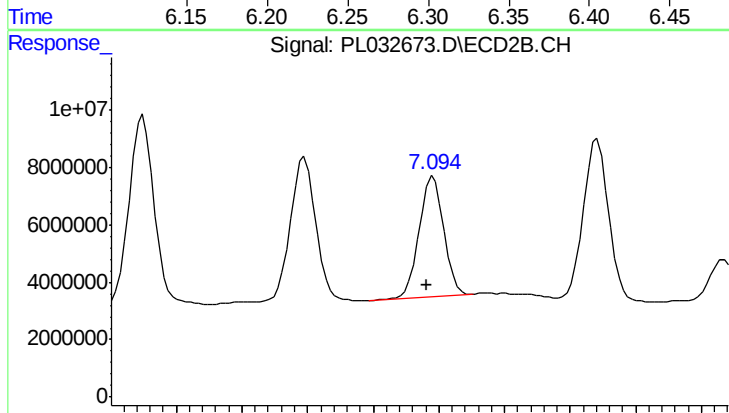
#17 4,4'-DDT

R.T.: 6.297 min  
Delta R.T.: 0.004 min  
Response: 383662054  
Conc: 36.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-51-10.5-11.0MSD

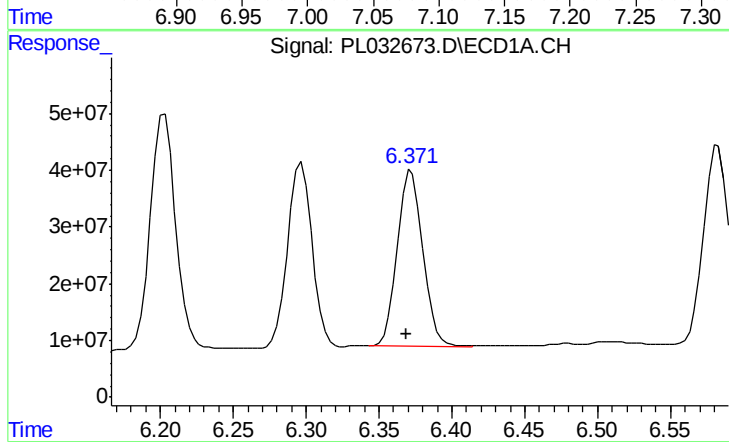
Manual Integrations  
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1/30/2018 2:53:59 PM



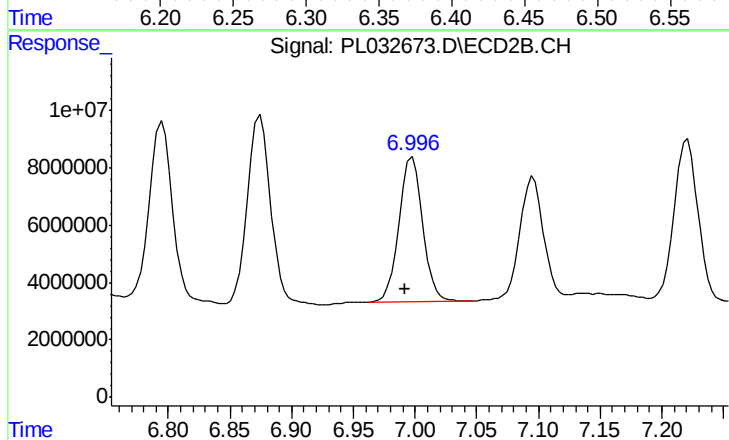
#17 4,4'-DDT

R.T.: 7.096 min  
Delta R.T.: 0.005 min  
Response: 54475633  
Conc: 40.85 ng/ml



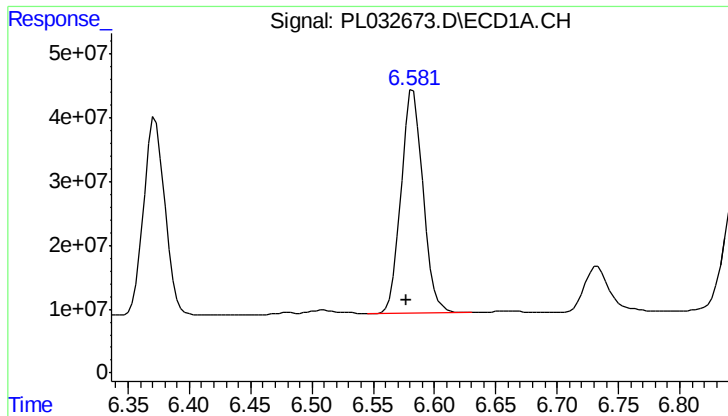
#18 Endrin aldehyde

R.T.: 6.371 min  
Delta R.T.: 0.002 min  
Response: 375805458  
Conc: 38.05 ng/ml m



#18 Endrin aldehyde

R.T.: 6.996 min  
Delta R.T.: 0.005 min  
Response: 66971827  
Conc: 45.23 ng/ml m



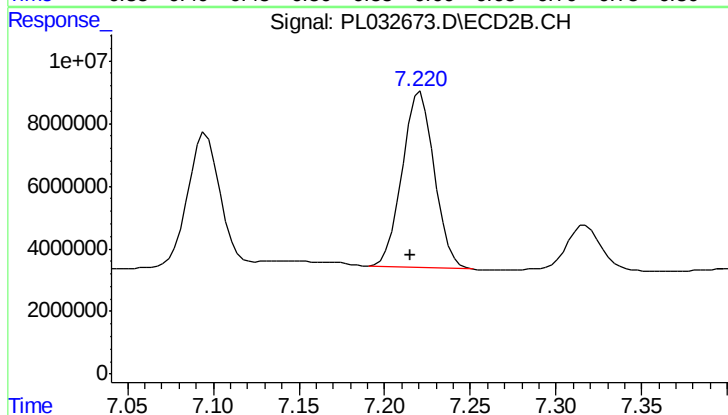
#19 Endosulfan Sulfate

R.T.: 6.583 min  
Delta R.T.: 0.006 min  
Response: 438579627  
Conc: 39.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-51-10.5-11.0MSD

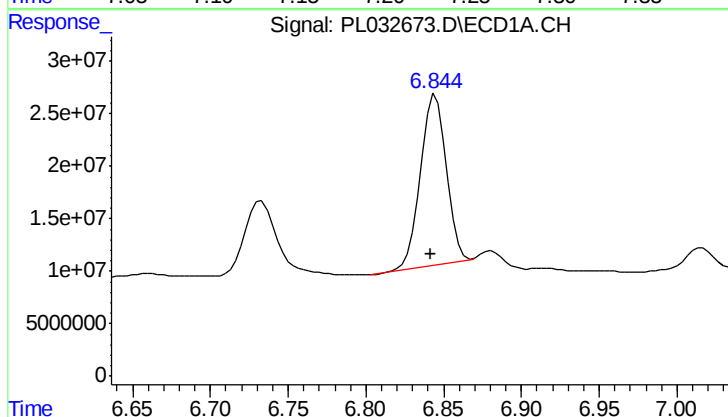
Manual Integrations  
APPROVED

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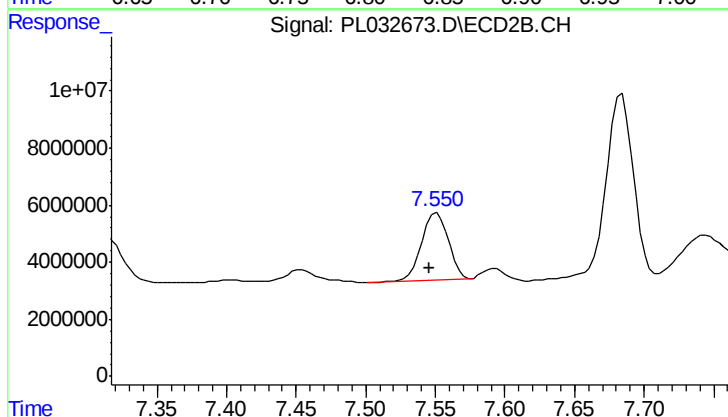
#19 Endosulfan Sulfate

R.T.: 7.220 min  
Delta R.T.: 0.004 min  
Response: 74140532  
Conc: 45.97 ng/ml m



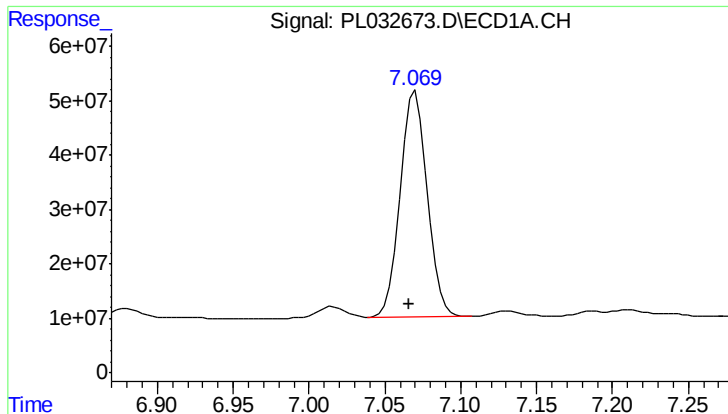
#20 Methoxychlor

R.T.: 6.845 min  
Delta R.T.: 0.003 min  
Response: 189395413  
Conc: 32.60 ng/ml



#20 Methoxychlor

R.T.: 7.551 min  
Delta R.T.: 0.006 min  
Response: 31228974  
Conc: 38.31 ng/ml



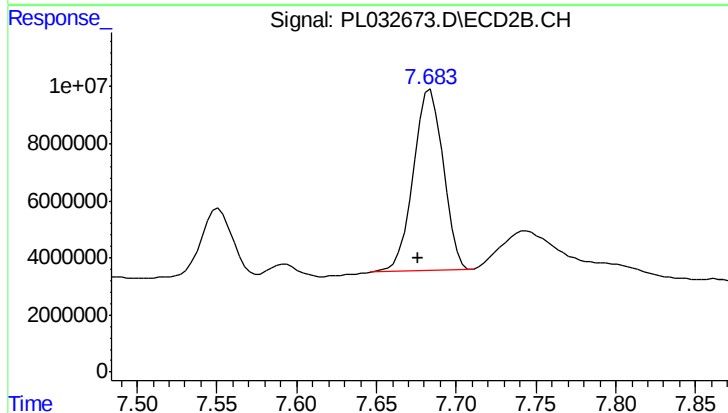
#21 Endrin ketone

R.T.: 7.069 min  
Delta R.T.: 0.003 min  
Response: 509282188  
Conc: 40.66 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-51-10.5-11.0MSD

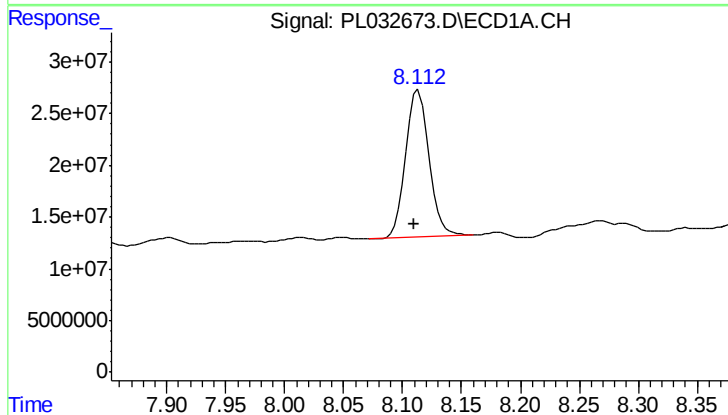
Manual Integrations  
APPROVED

ugo  
1/30/2018 2:53:59 PM



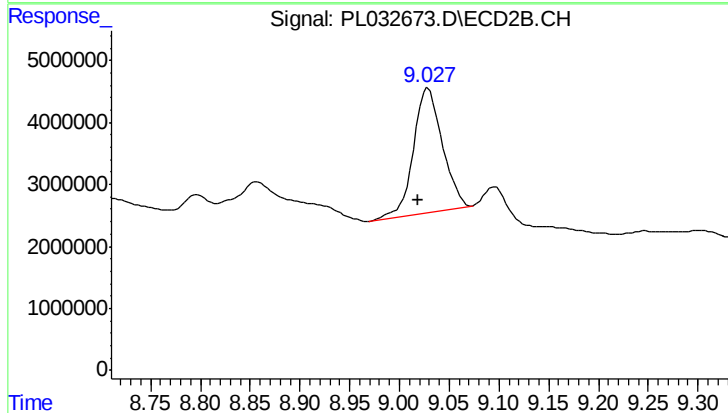
#21 Endrin ketone

R.T.: 7.684 min  
Delta R.T.: 0.008 min  
Response: 83562860  
Conc: 46.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.114 min  
Delta R.T.: 0.004 min  
Response: 193322398  
Conc: 16.61 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.029 min  
Delta R.T.: 0.010 min  
Response: 40490160  
Conc: 21.29 ng/ml