

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012920\  
 Data File : PL056169.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 29 Jan 2020 10:50  
 Operator : AJ\MA  
 Sample : L1008-21MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 CL-02-012420MS

Manual Integrations  
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Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 29 11:10:44 2020  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012820.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jan 28 13:10:37 2020  
 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... | 3.499 | 4.015 | 197.8E6 | 56816094 | 18.884 | 19.430  |
| 28)                         | SA Decachlor... | 8.254 | 9.093 | 200.8E6 | 45750361 | 19.077 | 20.226  |
| Target Compounds            |                 |       |       |         |          |        |         |
| 2)                          | A alpha-BHC     | 3.937 | 4.404 | 895.1E6 | 220.4E6  | 50.229 | 50.350  |
| 3)                          | MA gamma-BHC... | 4.222 | 4.687 | 809.3E6 | 201.8E6  | 49.426 | 49.214m |
| 4)                          | MA Heptachlor   | 4.523 | 5.196 | 817.6E6 | 183.1E6  | 50.927 | 51.172  |
| 5)                          | MB Aldrin       | 4.772 | 5.501 | 803.1E6 | 174.6E6  | 49.369 | 49.666  |
| 6)                          | B beta-BHC      | 4.472 | 4.860 | 297.7E6 | 85152930 | 45.195 | 51.940  |
| 7)                          | B delta-BHC     | 4.677 | 5.077 | 718.3E6 | 126.3E6  | 44.806 | 39.377  |
| 8)                          | B Heptachlor... | 5.215 | 5.888 | 748.9E6 | 124.0E6  | 48.688 | 39.841  |
| 9)                          | A Endosulfan I  | 5.554 | 6.246 | 703.9E6 | 150.0E6  | 48.503 | 50.108  |
| 10)                         | B gamma-Chl...  | 5.441 | 6.123 | 768.1E6 | 158.2E6  | 48.975 | 49.745  |
| 11)                         | B alpha-Chl...  | 5.500 | 6.195 | 744.7E6 | 158.8E6  | 48.414 | 50.114  |
| 12)                         | B 4,4'-DDE      | 5.663 | 6.353 | 739.8E6 | 151.4E6  | 51.043 | 50.533  |
| 13)                         | MA Dieldrin     | 5.797 | 6.503 | 762.9E6 | 156.2E6  | 49.607 | 50.310  |
| 14)                         | MA Endrin       | 6.055 | 6.722 | 713.6E6 | 132.9E6  | 50.782 | 50.695  |
| 15)                         | B Endosulfa...  | 6.327 | 6.932 | 626.3E6 | 135.9E6  | 47.890 | 50.487  |
| 16)                         | A 4,4'-DDD      | 6.179 | 6.846 | 554.5E6 | 121.8E6  | 51.583 | 51.638  |
| 17)                         | MA 4,4'-DDT     | 6.419 | 7.144 | 573.2E6 | 119.9E6  | 52.447 | 52.222  |
| 18)                         | B Endrin al...  | 6.495 | 7.057 | 521.6E6 | 111.6E6  | 47.674 | 49.171  |
| 19)                         | B Endosulfa...  | 6.709 | 7.281 | 575.7E6 | 123.5E6  | 47.351 | 48.786  |
| 20)                         | A Methoxychlor  | 6.964 | 7.604 | 292.0E6 | 63469101 | 54.974 | 51.765  |
| 21)                         | B Endrin ke...  | 7.200 | 7.753 | 635.9E6 | 133.3E6  | 48.601 | 49.979  |
| 22)                         | Mirex           | 7.390 | 8.206 | 428.2E6 | 87161973 | 46.340 | 47.949  |
| -----                       |                 |       |       |         |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012920\  
 Data File : PL056169.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 29 Jan 2020 10:50  
 Operator : AJ\MA  
 Sample : L1008-21MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

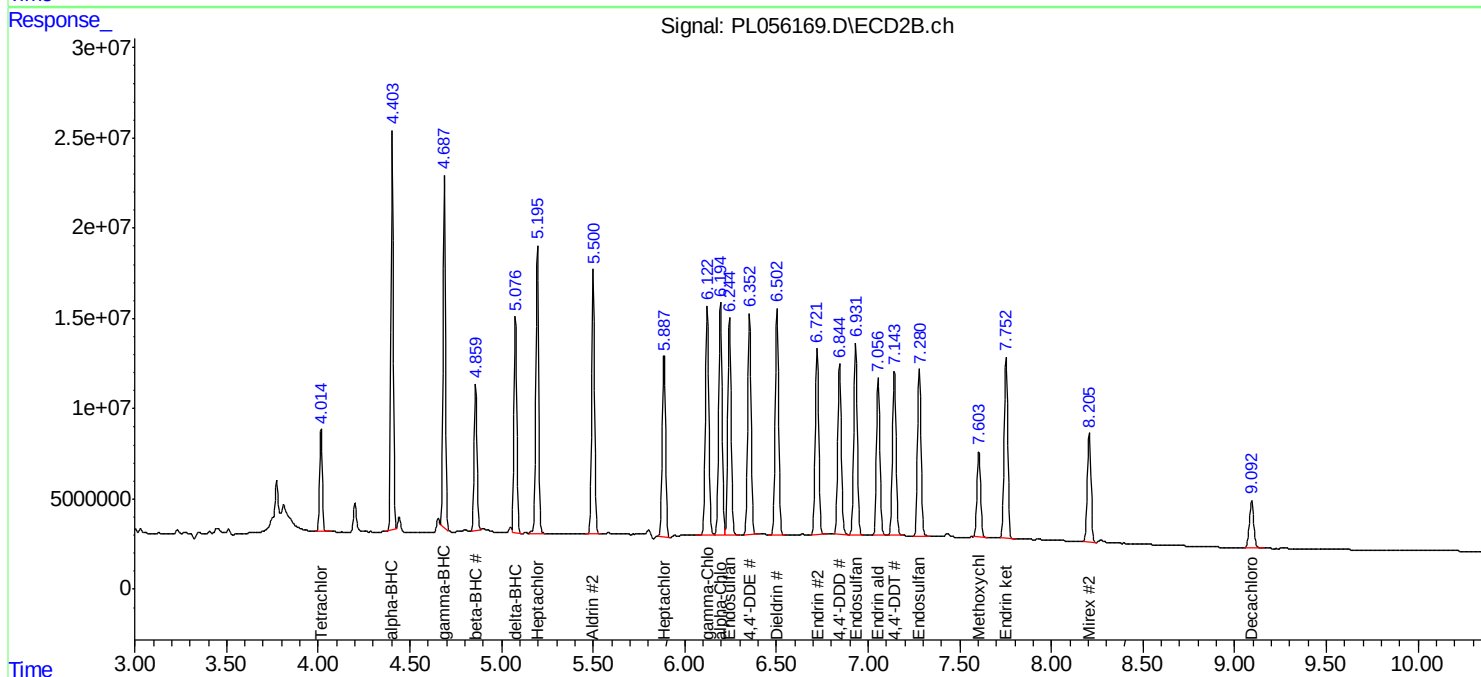
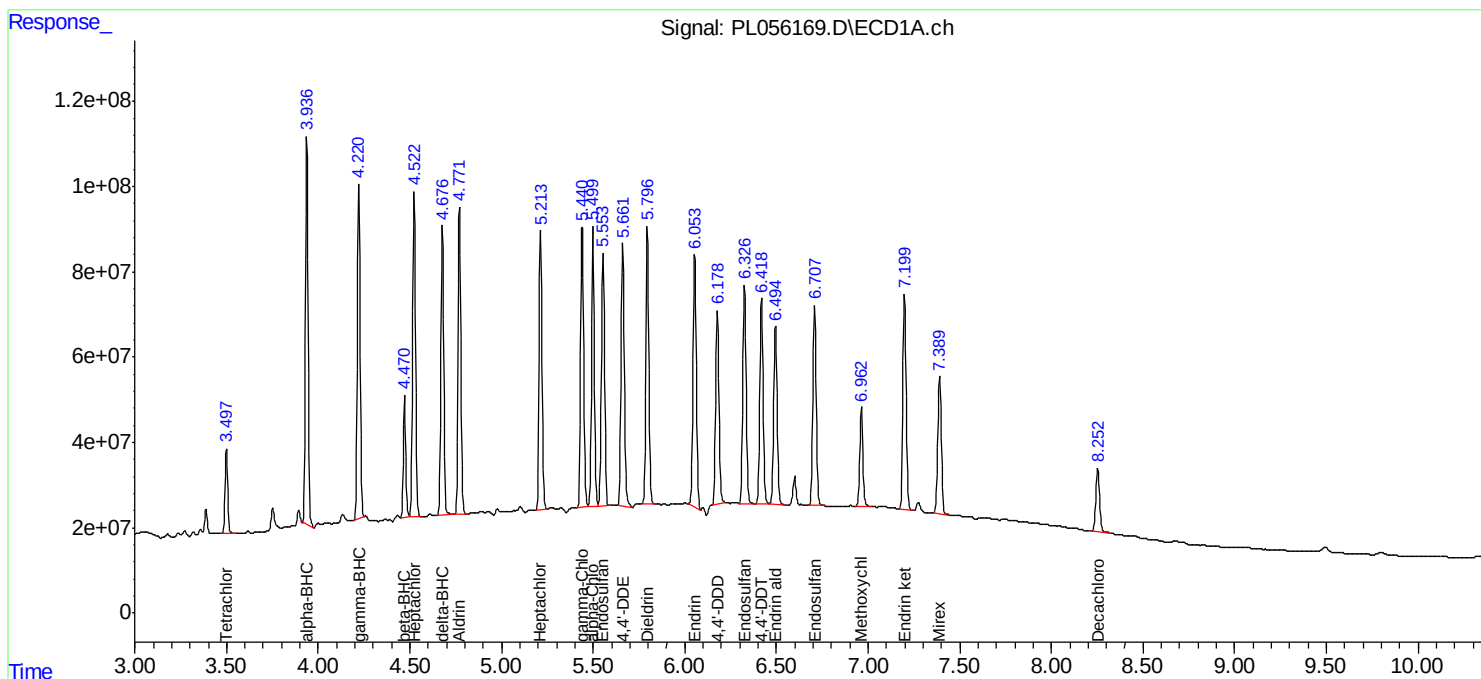
Instrument :  
 ECD\_L  
 ClientSampled :  
 CL-02-012420MS

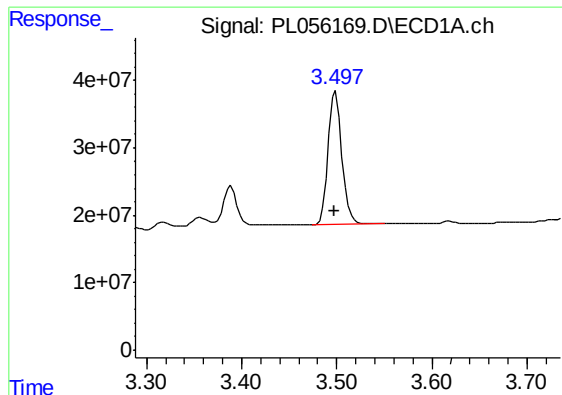
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Integration File signal 1: autoint1.e  
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 Quant Time: Jan 29 11:10:44 2020  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL012820.M  
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Volume 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





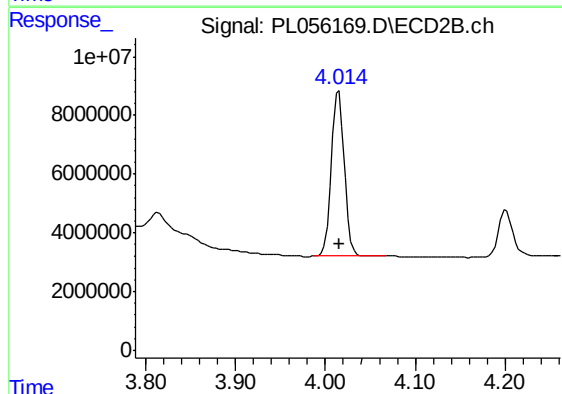
#1 Tetrachloro-m-xylene

R.T.: 3.499 min  
Delta R.T.: 0.002 min  
Response: 197773290  
Conc: 18.88 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
CL-02-012420MS

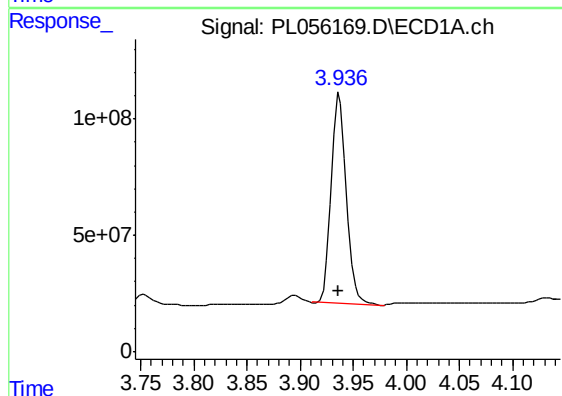
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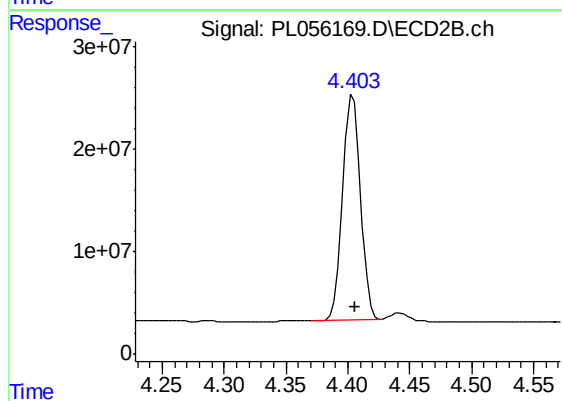
#1 Tetrachloro-m-xylene

R.T.: 4.015 min  
Delta R.T.: -0.001 min  
Response: 56816094  
Conc: 19.43 ng/ml



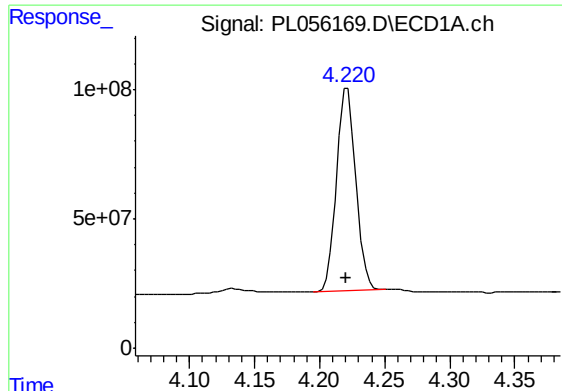
#2 alpha-BHC

R.T.: 3.937 min  
Delta R.T.: 0.002 min  
Response: 895089341  
Conc: 50.23 ng/ml



#2 alpha-BHC

R.T.: 4.404 min  
Delta R.T.: 0.000 min  
Response: 220391854  
Conc: 50.35 ng/ml



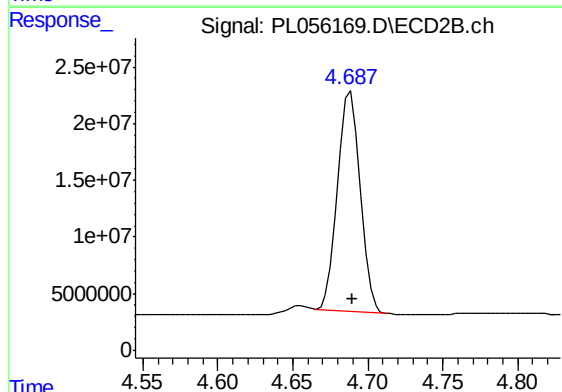
#3 gamma-BHC (Lindane)

R.T.: 4.222 min  
Delta R.T.: 0.000 min  
Response: 809291000  
Conc: 49.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
CL-02-012420MS

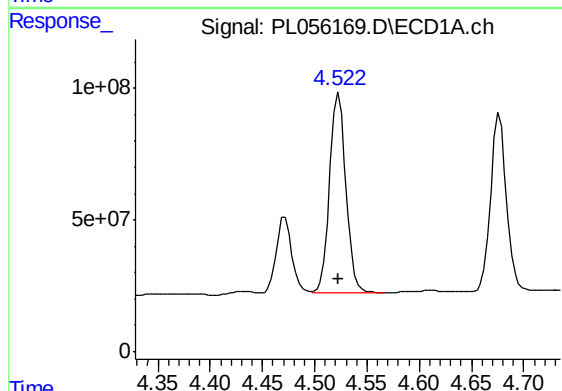
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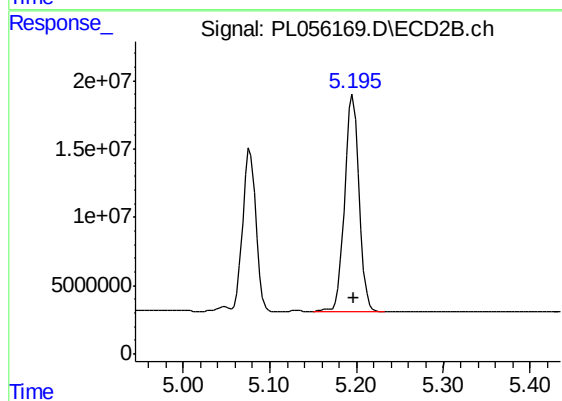
#3 gamma-BHC (Lindane)

R.T.: 4.687 min  
Delta R.T.: -0.002 min  
Response: 201815156  
Conc: 49.21 ng/ml m



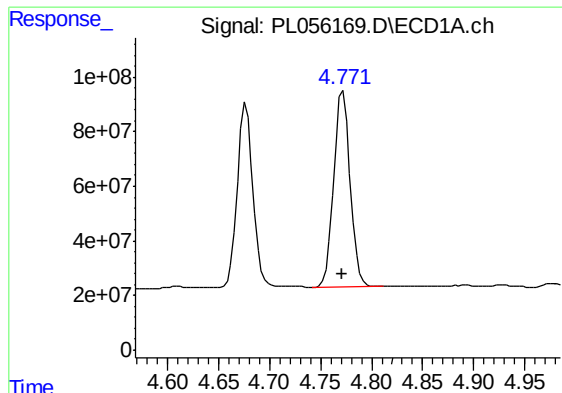
#4 Heptachlor

R.T.: 4.523 min  
Delta R.T.: 0.001 min  
Response: 817610872  
Conc: 50.93 ng/ml



#4 Heptachlor

R.T.: 5.196 min  
Delta R.T.: 0.000 min  
Response: 183078401  
Conc: 51.17 ng/ml



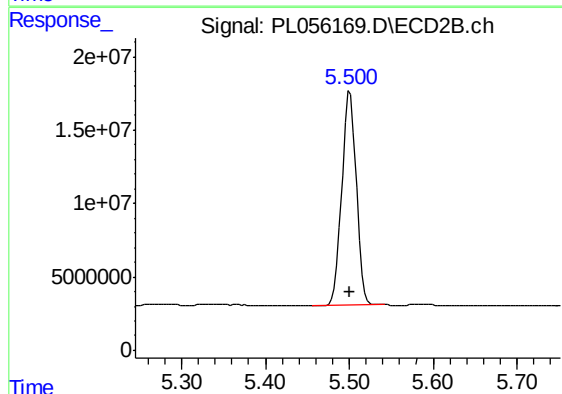
#5 Aldrin

R.T.: 4.772 min  
Delta R.T.: 0.001 min  
Response: 803107279  
Conc: 49.37 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
CL-02-012420MS

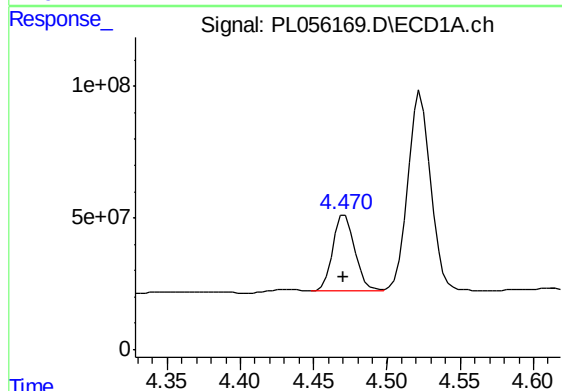
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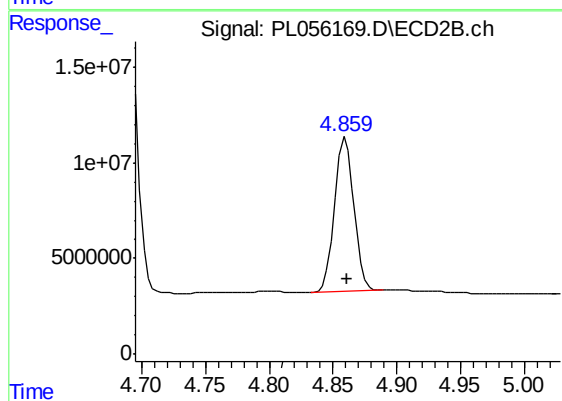
#5 Aldrin

R.T.: 5.501 min  
Delta R.T.: 0.000 min  
Response: 174556076  
Conc: 49.67 ng/ml



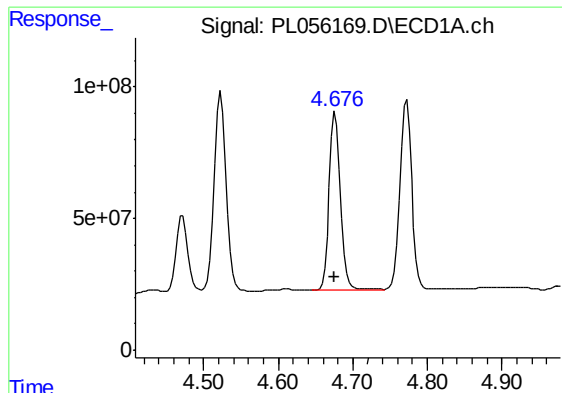
#6 beta-BHC

R.T.: 4.472 min  
Delta R.T.: 0.000 min  
Response: 297692393  
Conc: 45.19 ng/ml



#6 beta-BHC

R.T.: 4.860 min  
Delta R.T.: -0.001 min  
Response: 85152930  
Conc: 51.94 ng/ml



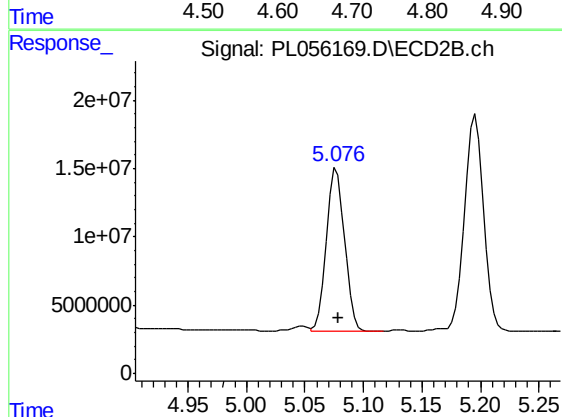
#7 delta-BHC

R.T.: 4.677 min  
Delta R.T.: 0.000 min  
Response: 718339950  
Conc: 44.81 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
CL-02-012420MS

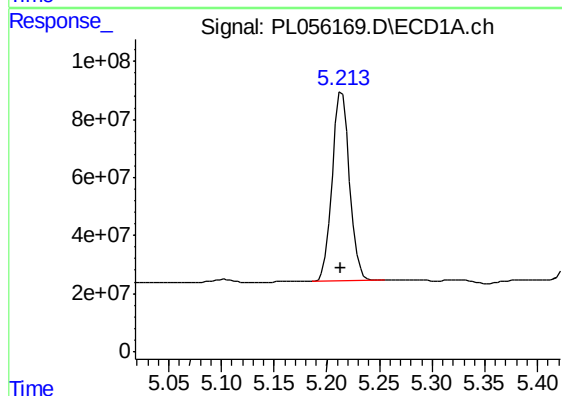
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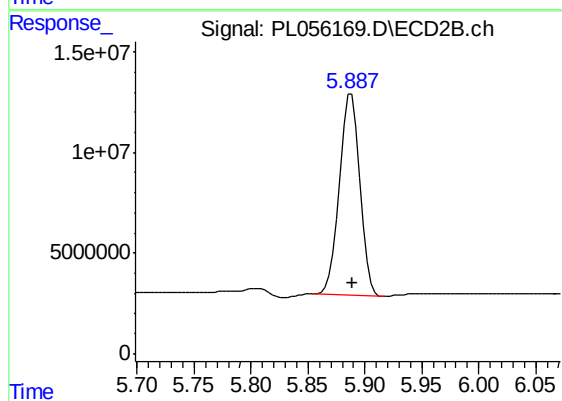
#7 delta-BHC

R.T.: 5.077 min  
Delta R.T.: 0.000 min  
Response: 126287476  
Conc: 39.38 ng/ml



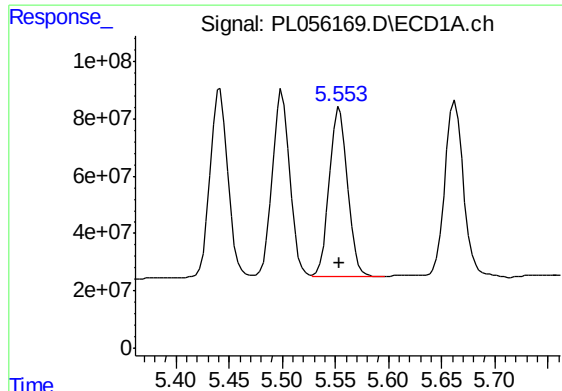
#8 Heptachlor epoxide

R.T.: 5.215 min  
Delta R.T.: 0.000 min  
Response: 748859173  
Conc: 48.69 ng/ml



#8 Heptachlor epoxide

R.T.: 5.888 min  
Delta R.T.: 0.000 min  
Response: 124007827  
Conc: 39.84 ng/ml



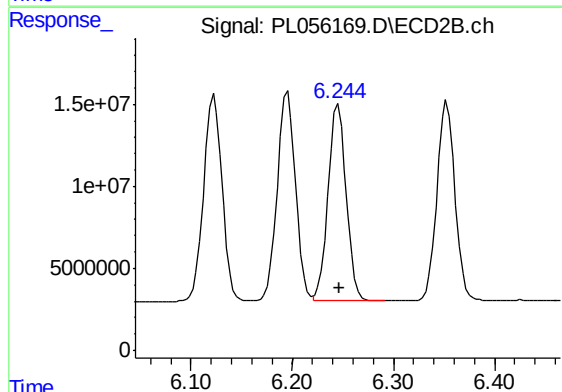
#9 Endosulfan I

R.T.: 5.554 min  
Delta R.T.: 0.000 min  
Response: 703857306  
Conc: 48.50 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
CL-02-012420MS

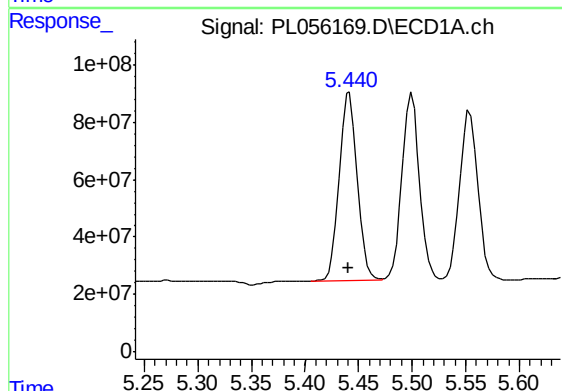
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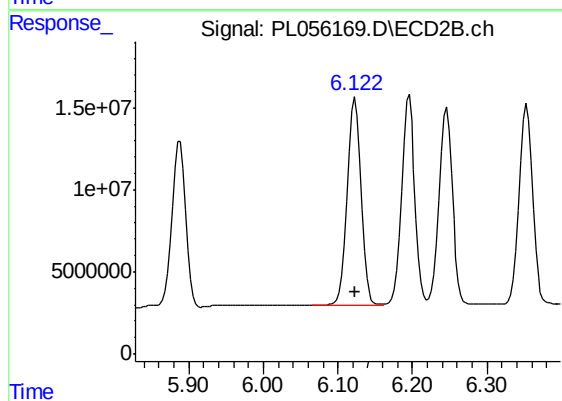
#9 Endosulfan I

R.T.: 6.246 min  
Delta R.T.: 0.000 min  
Response: 149959332  
Conc: 50.11 ng/ml



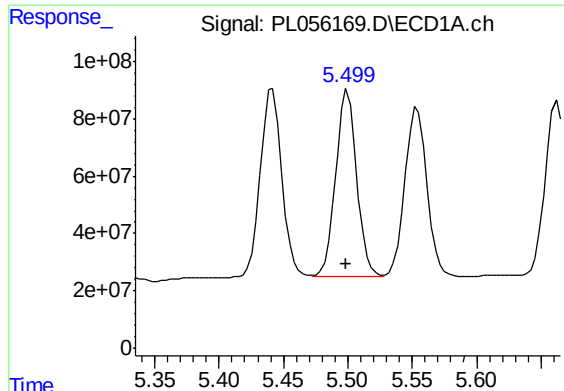
#10 gamma-Chlordane

R.T.: 5.441 min  
Delta R.T.: 0.000 min  
Response: 768074536  
Conc: 48.98 ng/ml



#10 gamma-Chlordane

R.T.: 6.123 min  
Delta R.T.: 0.000 min  
Response: 158196945  
Conc: 49.75 ng/ml



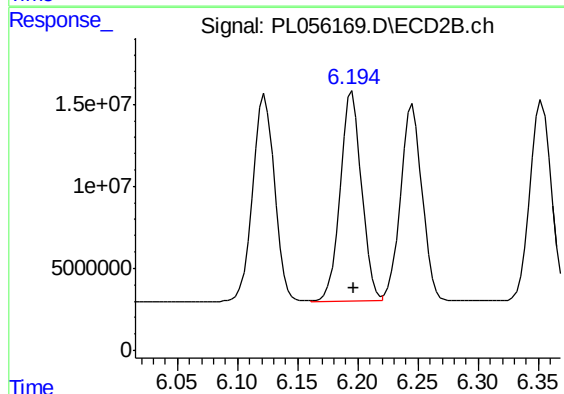
#11 alpha-Chlordane

R.T.: 5.500 min  
Delta R.T.: 0.001 min  
Response: 744748632  
Conc: 48.41 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
CL-02-012420MS

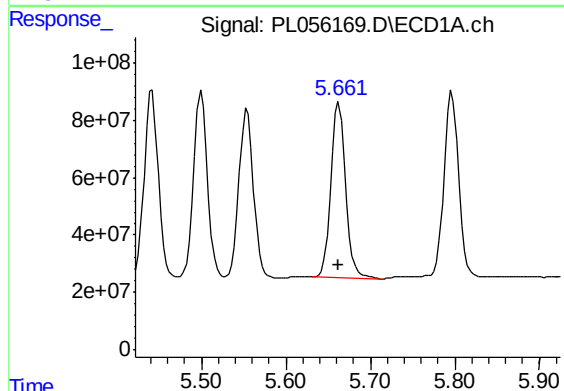
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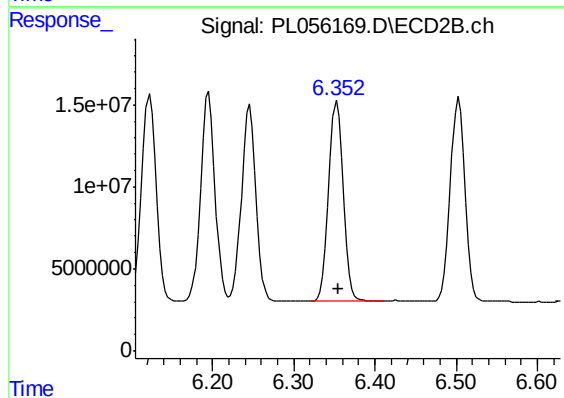
#11 alpha-Chlordane

R.T.: 6.195 min  
Delta R.T.: 0.000 min  
Response: 158847904  
Conc: 50.11 ng/ml



#12 4,4'-DDE

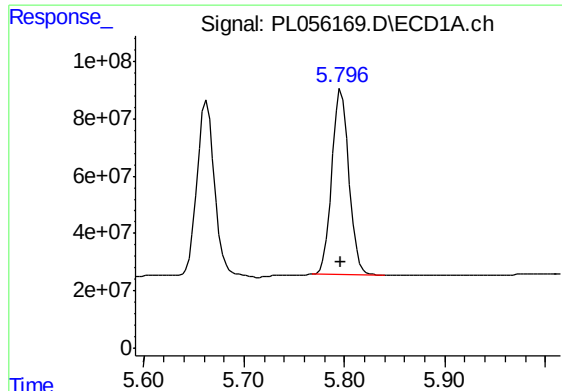
R.T.: 5.663 min  
Delta R.T.: 0.000 min  
Response: 739795934  
Conc: 51.04 ng/ml



#12 4,4'-DDE

R.T.: 6.353 min  
Delta R.T.: -0.002 min  
Response: 151363841  
Conc: 50.53 ng/ml





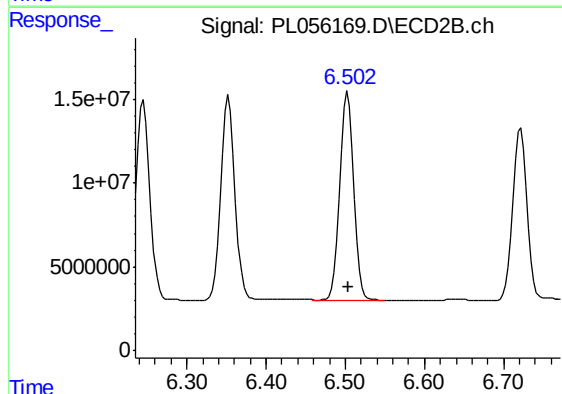
#13 Dielldrin

R.T.: 5.797 min  
Delta R.T.: 0.000 min  
Response: 762948198  
Conc: 49.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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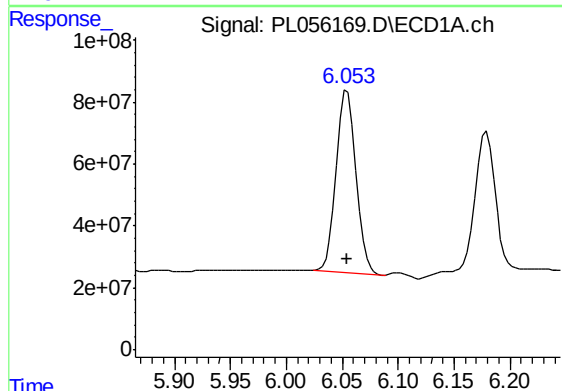
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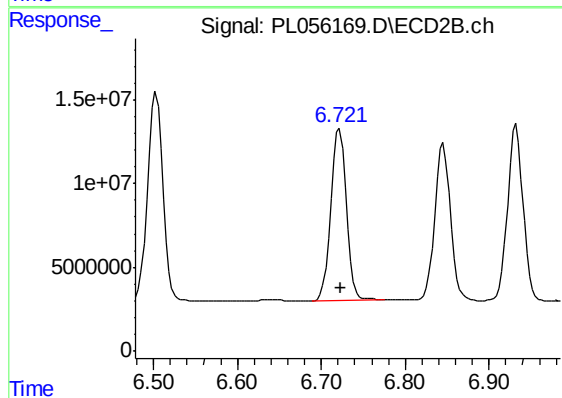
#13 Dielldrin

R.T.: 6.503 min  
Delta R.T.: -0.001 min  
Response: 156162833  
Conc: 50.31 ng/ml



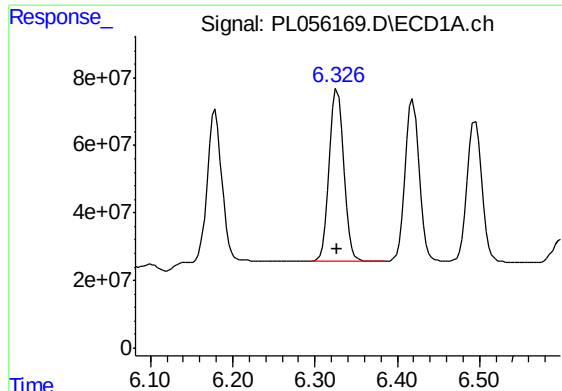
#14 Endrin

R.T.: 6.055 min  
Delta R.T.: 0.000 min  
Response: 713581392  
Conc: 50.78 ng/ml



#14 Endrin

R.T.: 6.722 min  
Delta R.T.: 0.000 min  
Response: 132854846  
Conc: 50.69 ng/ml



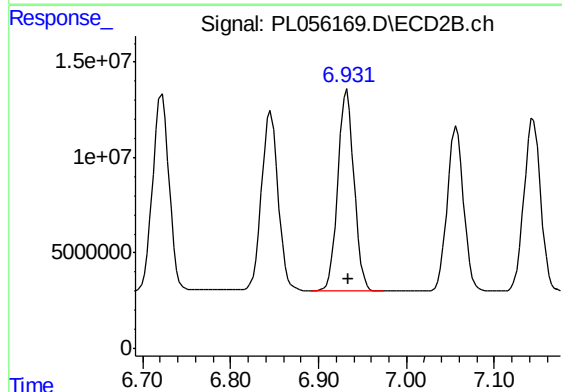
#15 Endosulfan II

R.T.: 6.327 min  
Delta R.T.: 0.000 min  
Response: 626325006  
Conc: 47.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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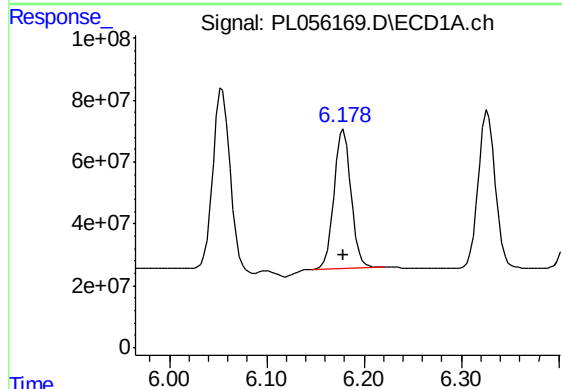
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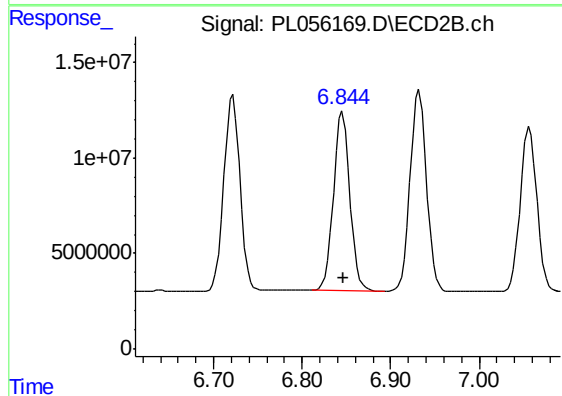
#15 Endosulfan II

R.T.: 6.932 min  
Delta R.T.: -0.001 min  
Response: 135915088  
Conc: 50.49 ng/ml



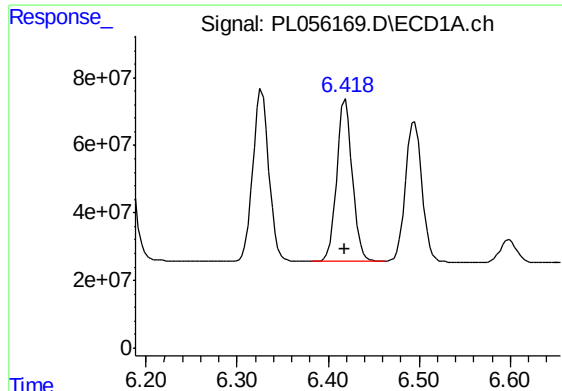
#16 4,4'-DDD

R.T.: 6.179 min  
Delta R.T.: 0.000 min  
Response: 554462508  
Conc: 51.58 ng/ml



#16 4,4'-DDD

R.T.: 6.846 min  
Delta R.T.: -0.001 min  
Response: 121837860  
Conc: 51.64 ng/ml



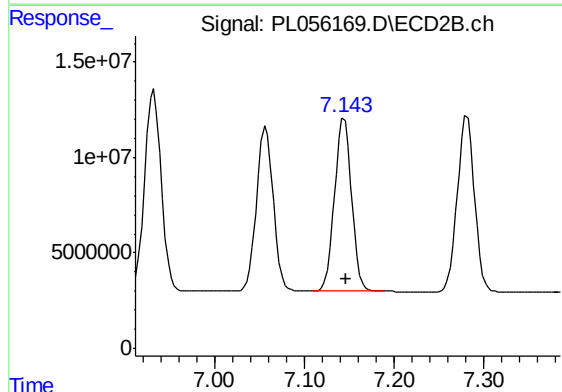
#17 4,4'-DDT

R.T.: 6.419 min  
Delta R.T.: 0.000 min  
Response: 573182981  
Conc: 52.45 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
CL-02-012420MS

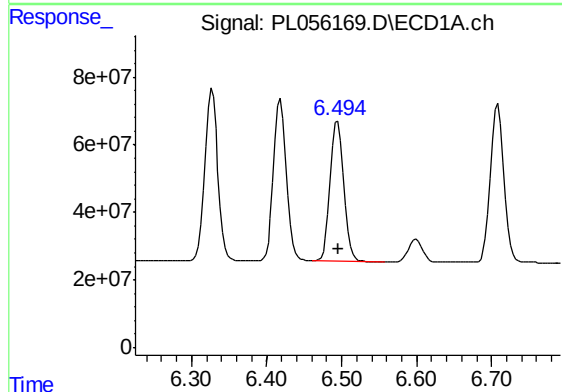
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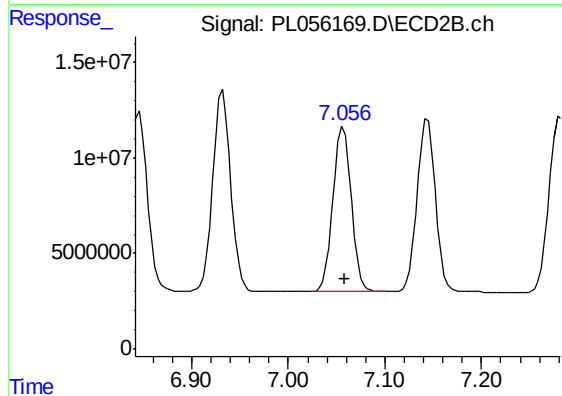
#17 4,4'-DDT

R.T.: 7.144 min  
Delta R.T.: -0.002 min  
Response: 119889391  
Conc: 52.22 ng/ml



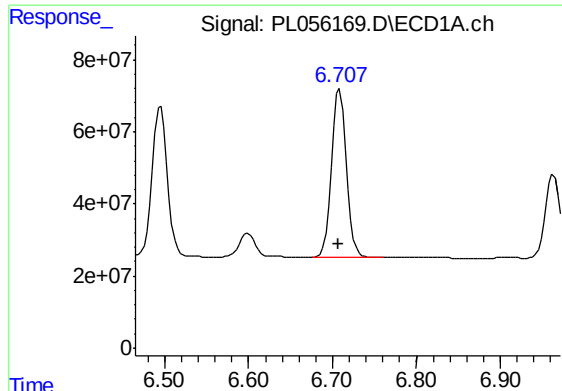
#18 Endrin aldehyde

R.T.: 6.495 min  
Delta R.T.: 0.000 min  
Response: 521591081  
Conc: 47.67 ng/ml



#18 Endrin aldehyde

R.T.: 7.057 min  
Delta R.T.: -0.001 min  
Response: 111629104  
Conc: 49.17 ng/ml



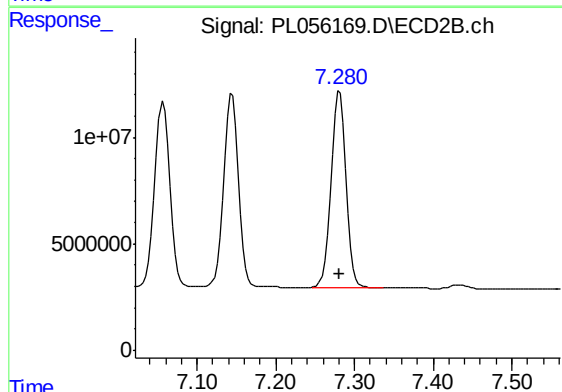
#19 Endosulfan Sulfate

R.T.: 6.709 min  
Delta R.T.: 0.001 min  
Response: 575683618  
Conc: 47.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
CL-02-012420MS

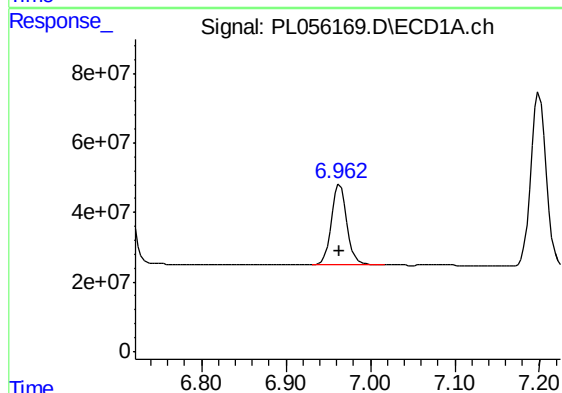
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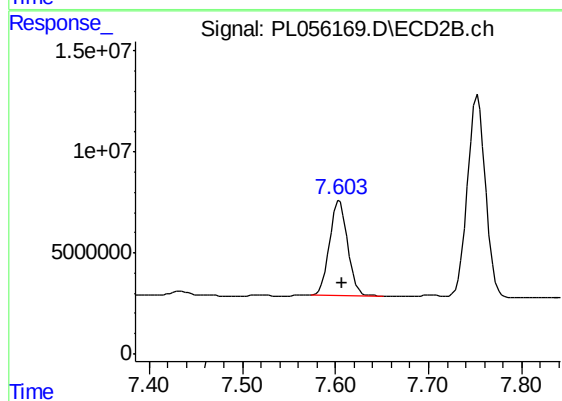
#19 Endosulfan Sulfate

R.T.: 7.281 min  
Delta R.T.: 0.000 min  
Response: 123466251  
Conc: 48.79 ng/ml



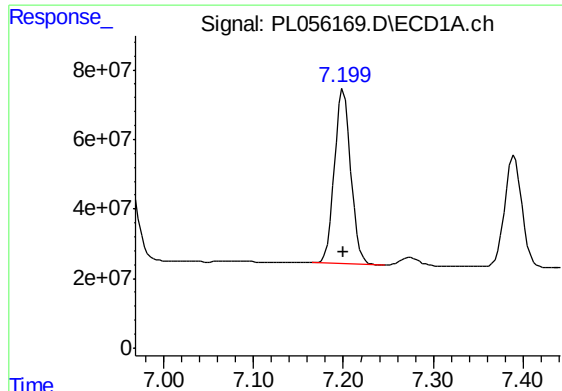
#20 Methoxychlor

R.T.: 6.964 min  
Delta R.T.: 0.000 min  
Response: 292032366  
Conc: 54.97 ng/ml



#20 Methoxychlor

R.T.: 7.604 min  
Delta R.T.: -0.003 min  
Response: 63469101  
Conc: 51.77 ng/ml



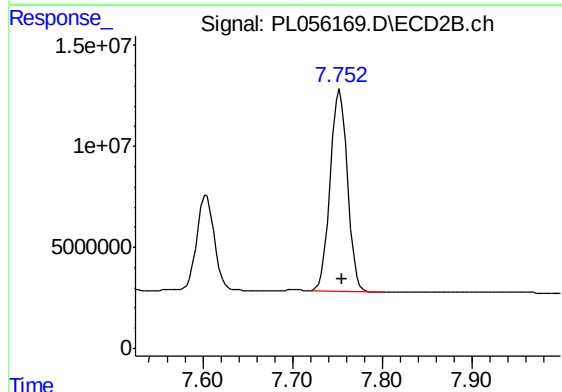
#21 Endrin ketone

R.T.: 7.200 min  
Delta R.T.: 0.000 min  
Response: 635946412  
Conc: 48.60 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
CL-02-012420MS

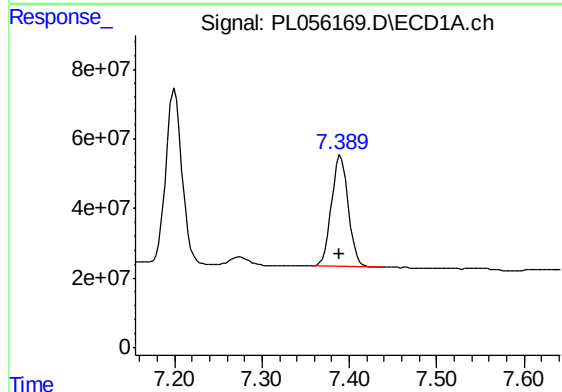
Manual Integrations  
APPROVED

mohammad  
1/30/2020 11:32:10 AM



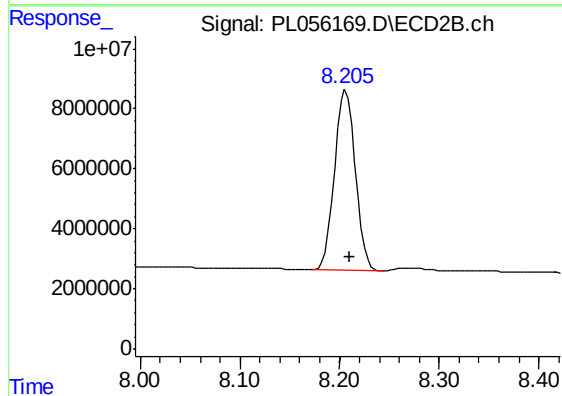
#21 Endrin ketone

R.T.: 7.753 min  
Delta R.T.: -0.002 min  
Response: 133289388  
Conc: 49.98 ng/ml



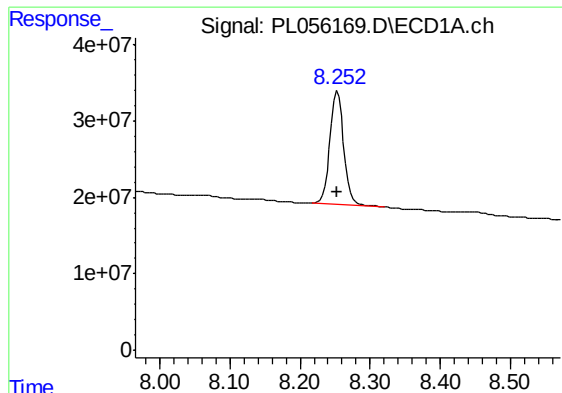
#22 Mirex

R.T.: 7.390 min  
Delta R.T.: 0.001 min  
Response: 428158725  
Conc: 46.34 ng/ml



#22 Mirex

R.T.: 8.206 min  
Delta R.T.: -0.003 min  
Response: 87161973  
Conc: 47.95 ng/ml



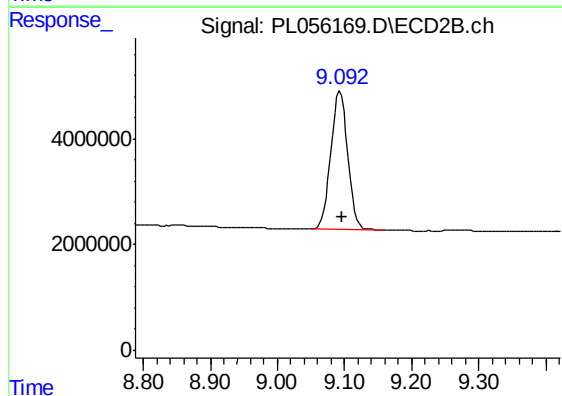
#28 Decachlorobiphenyl

R.T.: 8.254 min  
Delta R.T.: 0.001 min  
Response: 200843804  
Conc: 19.08 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
CL-02-012420MS

Manual Integrations  
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#28 Decachlorobiphenyl

R.T.: 9.093 min  
Delta R.T.: -0.003 min  
Response: 45750361  
Conc: 20.23 ng/ml