

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL071119\  
 Data File : PL050295.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Jul 2019 14:50  
 Operator : SM\AJ  
 Sample : K3733-02MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 KY030LC068-SD-190709MS

Manual Integrations  
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Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jul 12 04:22:56 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL062019.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Jun 21 02:23:20 2019  
 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... | 3.320 | 3.933 | 218.7E6  | 65970518 | 19.393  | 21.547   |
| 2)                          | SA Decachlor... | 7.984 | 8.965 | 153.0E6  | 56711949 | 12.041  | 16.893 # |
| Target Compounds            |                 |       |       |          |          |         |          |
| 2)                          | A alpha-BHC     | 3.748 | 4.321 | 1131.2E6 | 285.9E6  | 60.209  | 63.867   |
| 3)                          | MA gamma-BHC... | 4.024 | 4.604 | 1014.2E6 | 264.8E6  | 57.202  | 63.851   |
| 4)                          | MA Heptachlor   | 4.307 | 5.106 | 969.7E6  | 250.0E6  | 53.346  | 57.746   |
| 5)                          | MB Aldrin       | 4.545 | 5.408 | 864.8E6  | 224.7E6  | 50.084  | 57.371   |
| 6)                          | B beta-BHC      | 4.278 | 4.780 | 415.1E6  | 121.4E6  | 56.754  | 62.650   |
| 7)                          | B delta-BHC     | 4.471 | 4.994 | 912.2E6  | 214.6E6  | 51.009  | 54.490   |
| 8)                          | B Heptachlor... | 4.982 | 5.795 | 819.7E6  | 212.9E6  | 50.922  | 58.560   |
| 9)                          | A Endosulfan I  | 5.312 | 6.150 | 781.1E6  | 196.1E6  | 50.481  | 57.719   |
| 10)                         | B gamma-Chl...  | 5.204 | 6.029 | 811.2E6  | 209.0E6  | 47.467  | 56.083   |
| 11)                         | B alpha-Chl...  | 5.261 | 6.101 | 779.9E6  | 205.7E6  | 46.987  | 55.622   |
| 12)                         | B 4,4'-DDE      | 5.428 | 6.261 | 763.9E6  | 188.4E6  | 45.854  | 54.281   |
| 13)                         | MA Dieldrin     | 5.551 | 6.407 | 806.3E6  | 204.5E6  | 48.406  | 57.639   |
| 14)                         | MA Endrin       | 5.804 | 6.624 | 804.9E6  | 178.4E6  | 50.259  | 56.493   |
| 15)                         | B Endosulfa...  | 6.079 | 6.835 | 714.5E6  | 174.4E6  | 49.036  | 54.160   |
| 16)                         | A 4,4'-DDD      | 5.937 | 6.752 | 616.4E6  | 147.3E6  | 48.825m | 56.332   |
| 17)                         | MA 4,4'-DDT     | 6.173 | 7.049 | 548.2E6  | 132.8E6  | 41.295  | 45.349   |
| 18)                         | B Endrin al...  | 6.246 | 6.960 | 502.7E6  | 141.9E6  | 42.562  | 51.680   |
| 19)                         | B Endosulfa...  | 6.457 | 7.183 | 620.1E6  | 152.1E6  | 47.823  | 50.529   |
| 20)                         | A Methoxychlor  | 6.718 | 7.507 | 265.2E6  | 79004727 | 40.689  | 47.400m  |
| 21)                         | B Endrin ke...  | 6.939 | 7.651 | 605.9E6  | 160.3E6  | 43.109  | 51.434   |
| 22)                         | Mirex           | 7.113 | 8.101 | 365.5E6  | 106.1E6  | 35.358  | 41.954   |
| -----                       |                 |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL071119\  
Data File : PL050295.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Jul 2019 14:50  
Operator : SM\AJ  
Sample : K3733-02MS  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

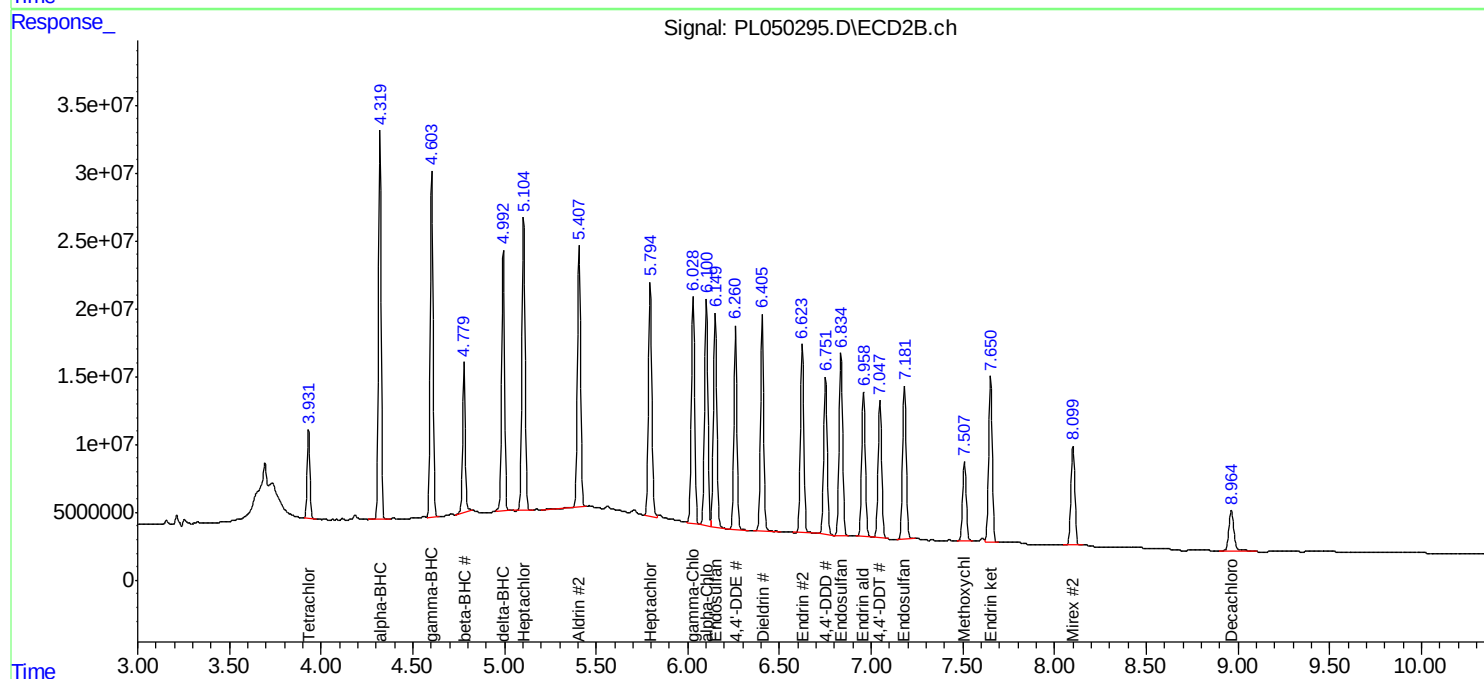
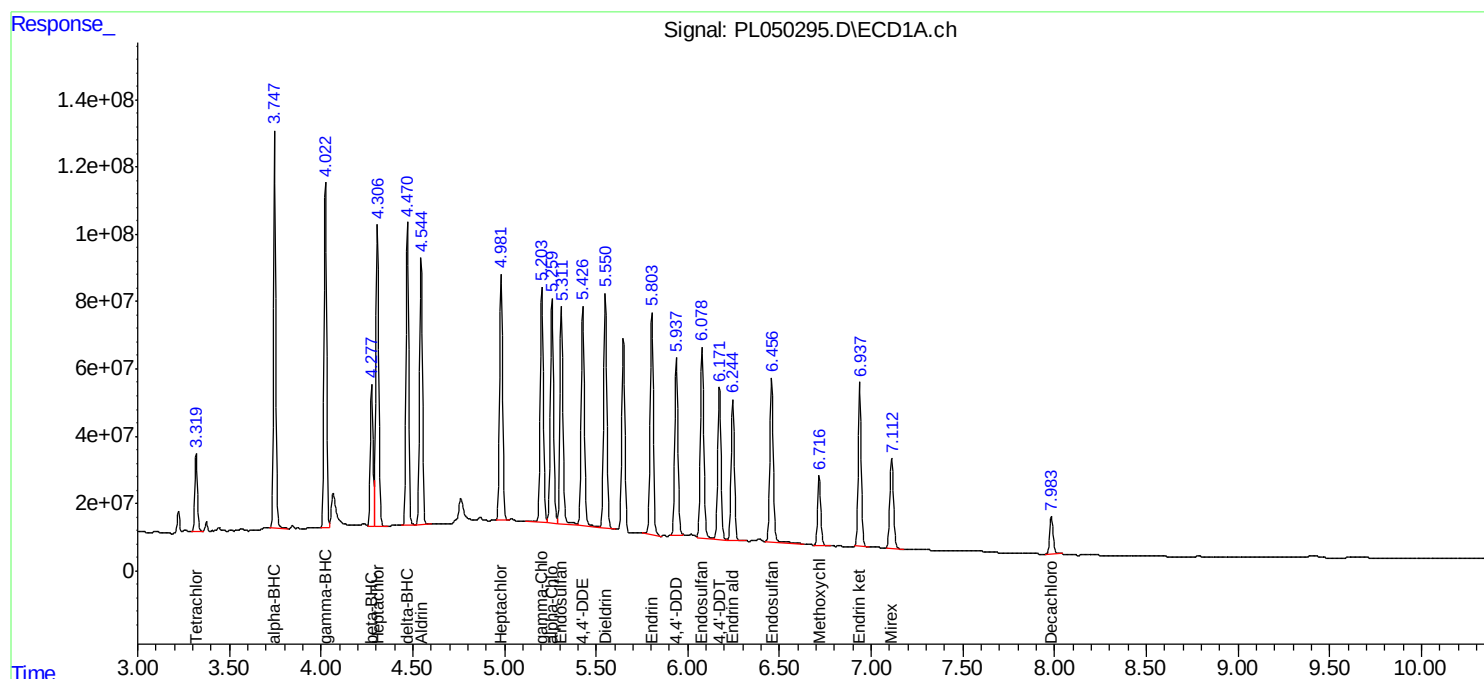
Instrument :  
ECD\_L  
ClientSampleId :  
KY030LC068-SD-190709MS

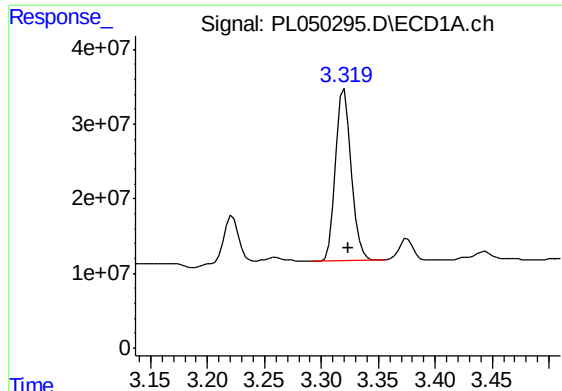
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jul 12 04:22:56 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL062019.M  
Quant Title : GC Extractables  
QLast Update : Fri Jun 21 02:23:20 2019  
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





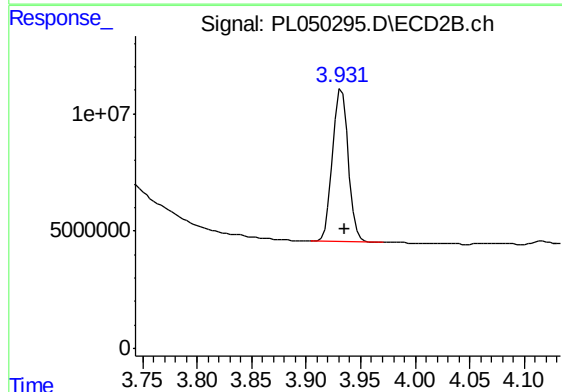
#1 Tetrachloro-m-xylene

R.T.: 3.320 min  
Delta R.T.: -0.004 min  
Response: 218705918  
Conc: 19.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
KY030LC068-SD-190709MS

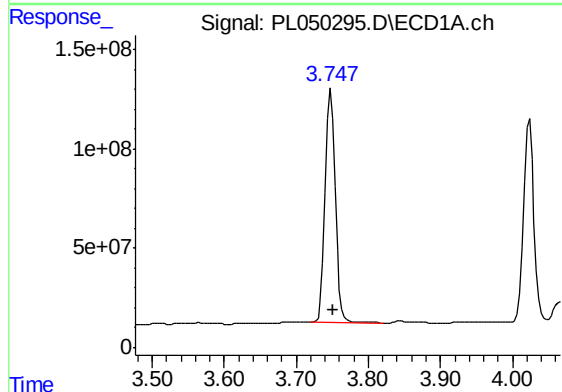
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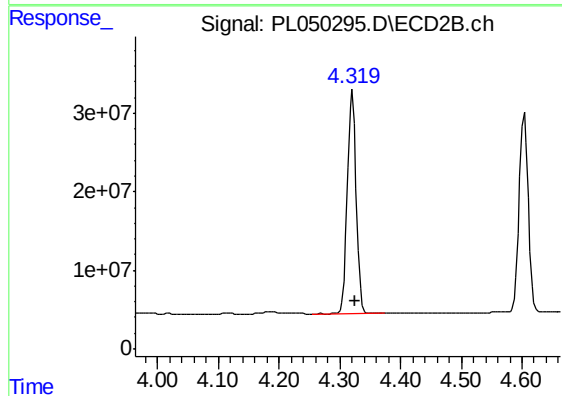
#1 Tetrachloro-m-xylene

R.T.: 3.933 min  
Delta R.T.: -0.003 min  
Response: 65970518  
Conc: 21.55 ng/ml



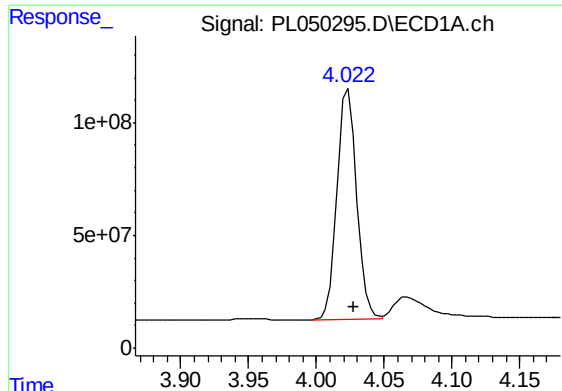
#2 alpha-BHC

R.T.: 3.748 min  
Delta R.T.: -0.004 min  
Response: 1131156206  
Conc: 60.21 ng/ml



#2 alpha-BHC

R.T.: 4.321 min  
Delta R.T.: -0.003 min  
Response: 285906698  
Conc: 63.87 ng/ml



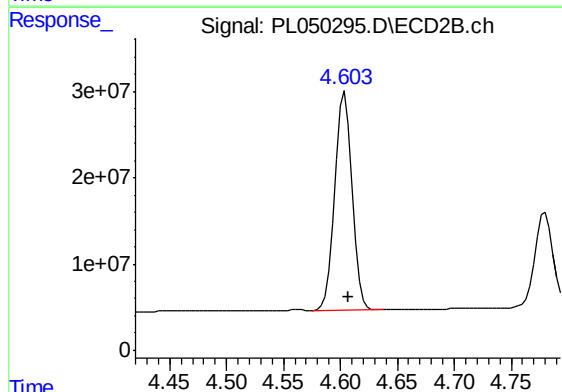
#3 gamma-BHC (Lindane)

R.T.: 4.024 min  
Delta R.T.: -0.004 min  
Response: 1014222937  
Conc: 57.20 ng/ml

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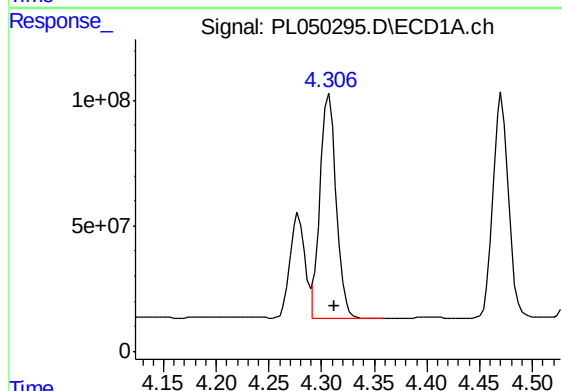
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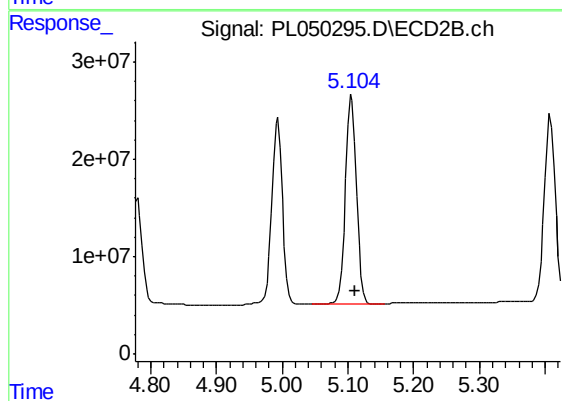
#3 gamma-BHC (Lindane)

R.T.: 4.604 min  
Delta R.T.: -0.003 min  
Response: 264841043  
Conc: 63.85 ng/ml



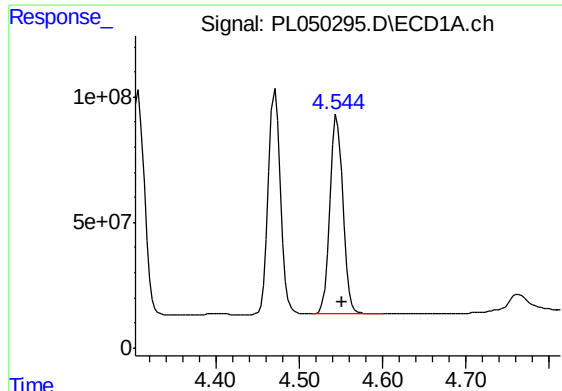
#4 Heptachlor

R.T.: 4.307 min  
Delta R.T.: -0.005 min  
Response: 969684931  
Conc: 53.35 ng/ml



#4 Heptachlor

R.T.: 5.106 min  
Delta R.T.: -0.005 min  
Response: 249950127  
Conc: 57.75 ng/ml



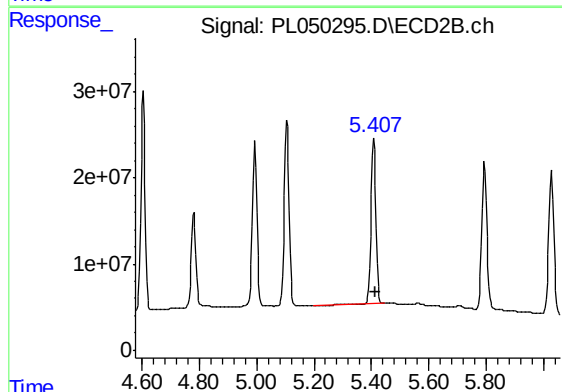
#5 Aldrin

R.T.: 4.545 min  
Delta R.T.: -0.005 min  
Response: 864843794  
Conc: 50.08 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
KY030LC068-SD-190709MS

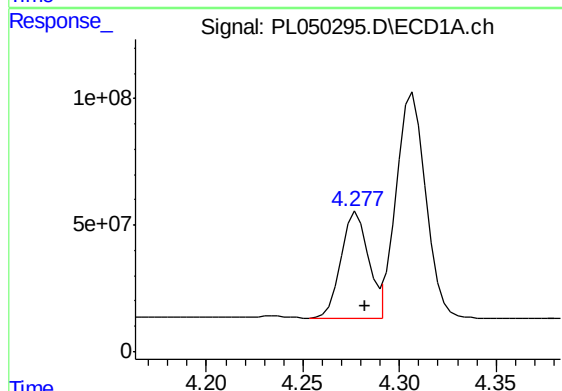
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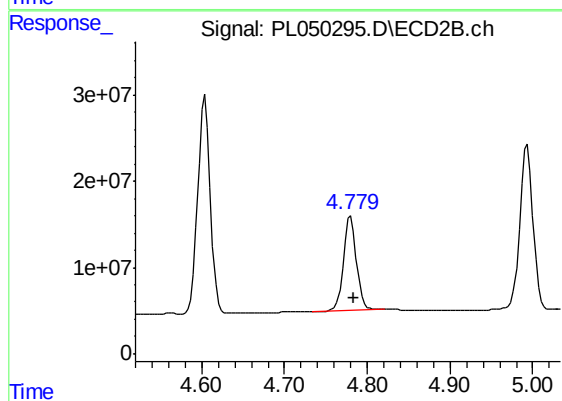
#5 Aldrin

R.T.: 5.408 min  
Delta R.T.: -0.005 min  
Response: 224727299  
Conc: 57.37 ng/ml



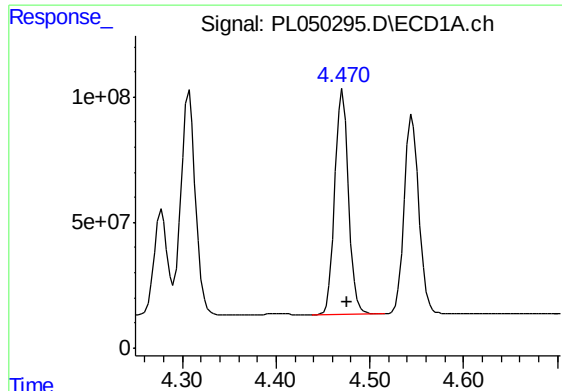
#6 beta-BHC

R.T.: 4.278 min  
Delta R.T.: -0.004 min  
Response: 415142386  
Conc: 56.75 ng/ml



#6 beta-BHC

R.T.: 4.780 min  
Delta R.T.: -0.003 min  
Response: 121355005  
Conc: 62.65 ng/ml



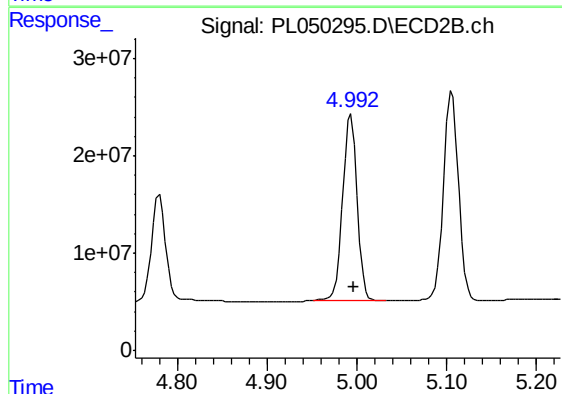
#7 delta-BHC

R.T.: 4.471 min  
Delta R.T.: -0.005 min  
Response: 912241712  
Conc: 51.01 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
KY030LC068-SD-190709MS

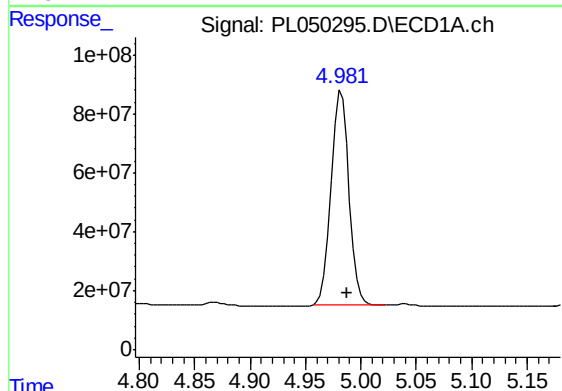
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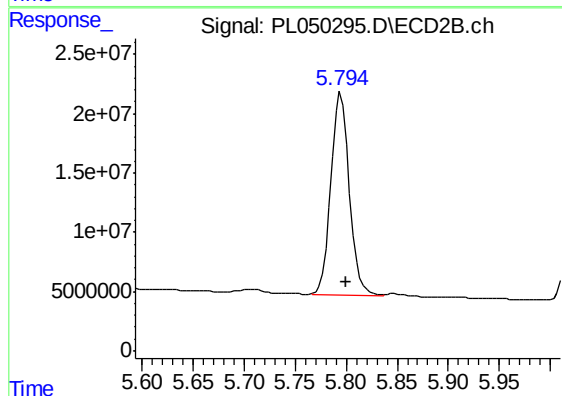
#7 delta-BHC

R.T.: 4.994 min  
Delta R.T.: -0.003 min  
Response: 214630864  
Conc: 54.49 ng/ml



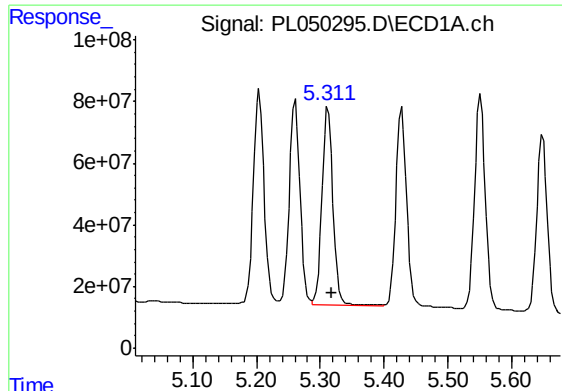
#8 Heptachlor epoxide

R.T.: 4.982 min  
Delta R.T.: -0.005 min  
Response: 819703984  
Conc: 50.92 ng/ml



#8 Heptachlor epoxide

R.T.: 5.795 min  
Delta R.T.: -0.005 min  
Response: 212911962  
Conc: 58.56 ng/ml



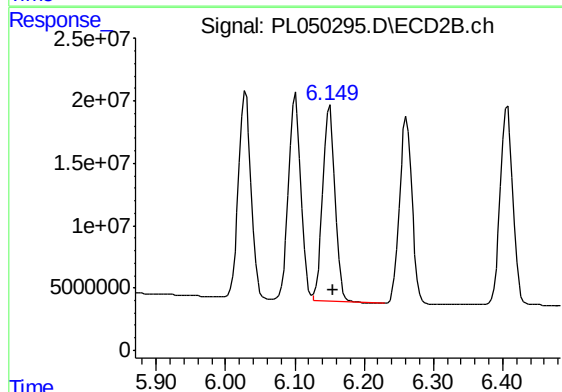
#9 Endosulfan I

R.T.: 5.312 min  
Delta R.T.: -0.006 min  
Response: 781068419  
Conc: 50.48 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
KY030LC068-SD-190709MS

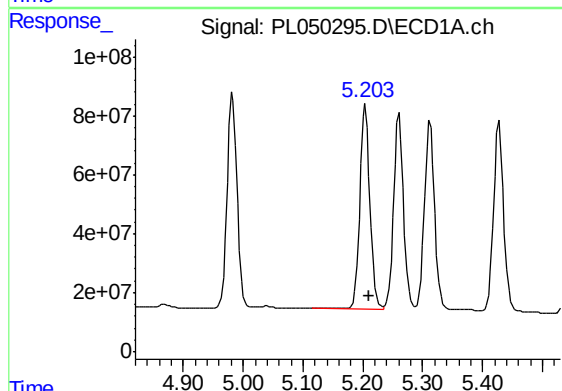
Manual Integrations  
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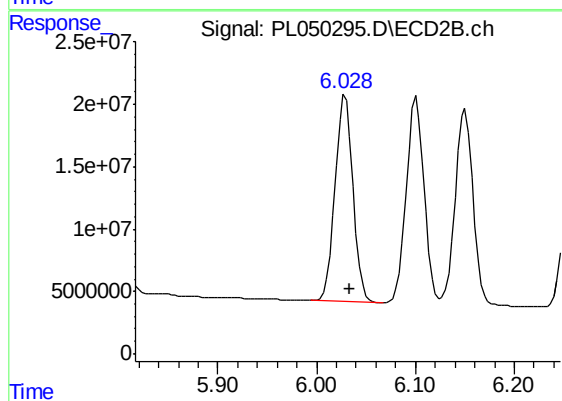
#9 Endosulfan I

R.T.: 6.150 min  
Delta R.T.: -0.005 min  
Response: 196091500  
Conc: 57.72 ng/ml



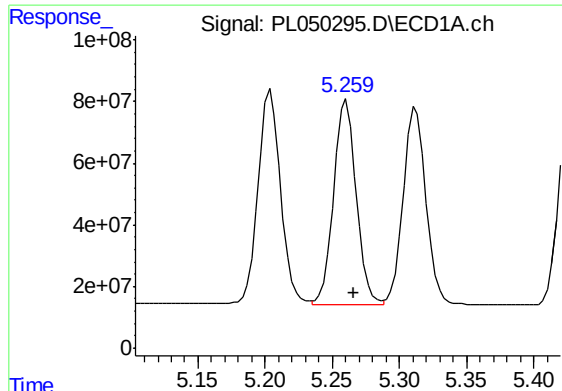
#10 gamma-Chlordane

R.T.: 5.204 min  
Delta R.T.: -0.006 min  
Response: 811157146  
Conc: 47.47 ng/ml



#10 gamma-Chlordane

R.T.: 6.029 min  
Delta R.T.: -0.005 min  
Response: 208989225  
Conc: 56.08 ng/ml



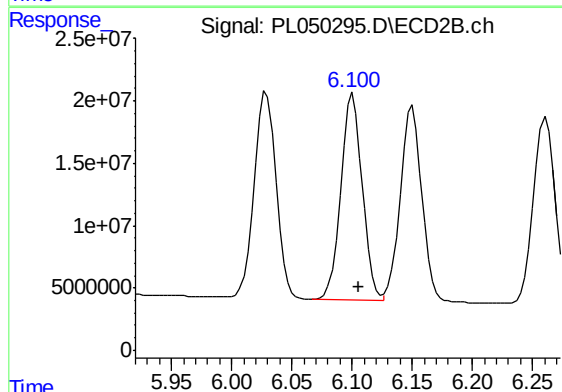
#11 alpha-Chlordane

R.T.: 5.261 min  
Delta R.T.: -0.006 min  
Response: 779923092  
Conc: 46.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
KY030LC068-SD-190709MS

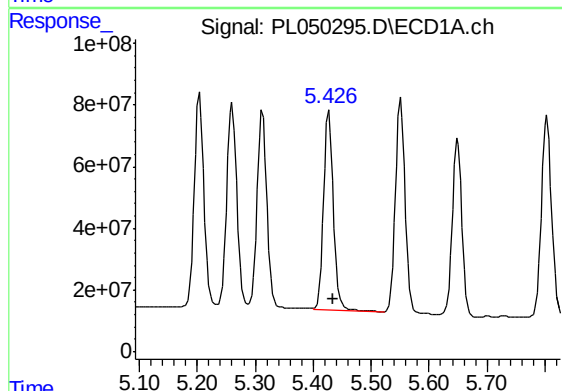
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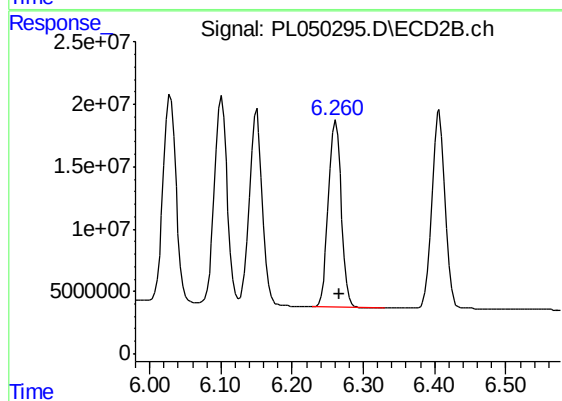
#11 alpha-Chlordane

R.T.: 6.101 min  
Delta R.T.: -0.005 min  
Response: 205712819  
Conc: 55.62 ng/ml



#12 4,4'-DDE

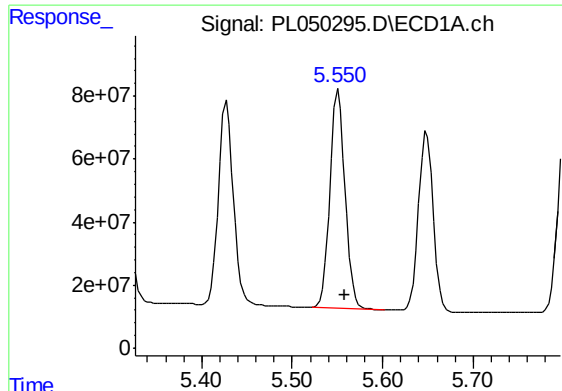
R.T.: 5.428 min  
Delta R.T.: -0.007 min  
Response: 763884180  
Conc: 45.85 ng/ml



#12 4,4'-DDE

R.T.: 6.261 min  
Delta R.T.: -0.005 min  
Response: 188361240  
Conc: 54.28 ng/ml





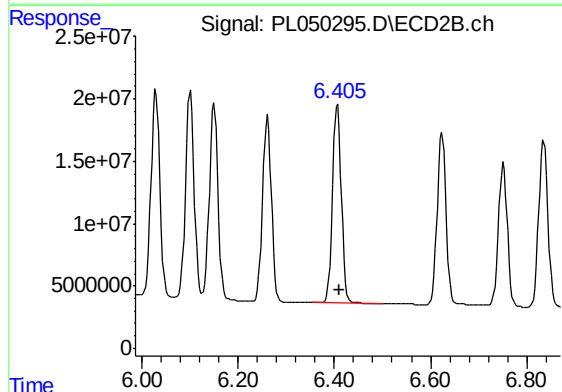
#13 Dieldrin

R.T.: 5.551 min  
Delta R.T.: -0.006 min  
Response: 806337638  
Conc: 48.41 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
KY030LC068-SD-190709MS

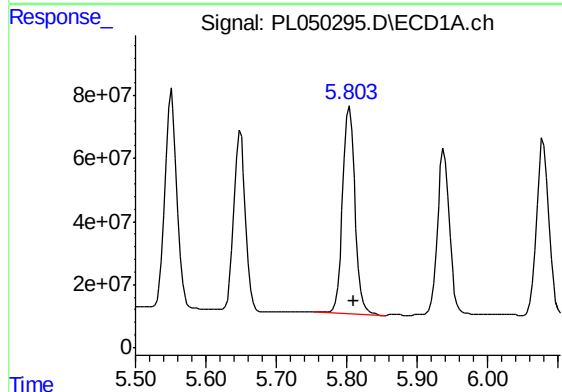
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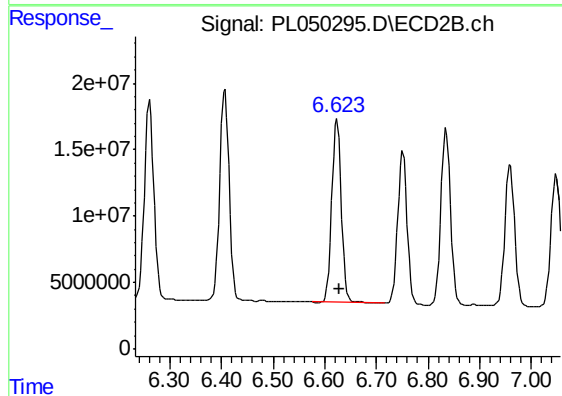
#13 Dieldrin

R.T.: 6.407 min  
Delta R.T.: -0.005 min  
Response: 204477017  
Conc: 57.64 ng/ml



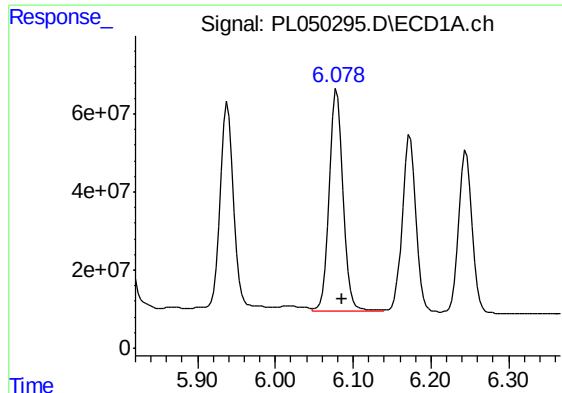
#14 Endrin

R.T.: 5.804 min  
Delta R.T.: -0.007 min  
Response: 804891793  
Conc: 50.26 ng/ml



#14 Endrin

R.T.: 6.624 min  
Delta R.T.: -0.005 min  
Response: 178361216  
Conc: 56.49 ng/ml



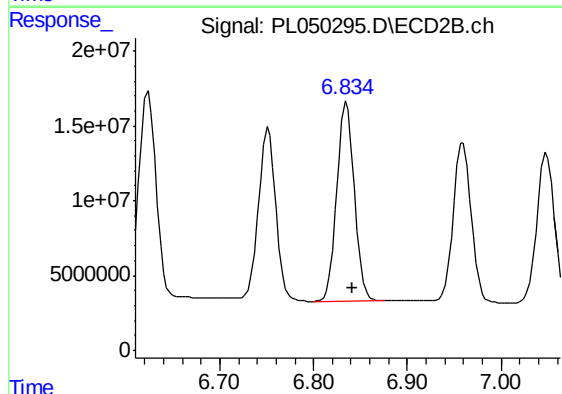
#15 Endosulfan II

R.T.: 6.079 min  
Delta R.T.: -0.006 min  
Response: 714522621  
Conc: 49.04 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
KY030LC068-SD-190709MS

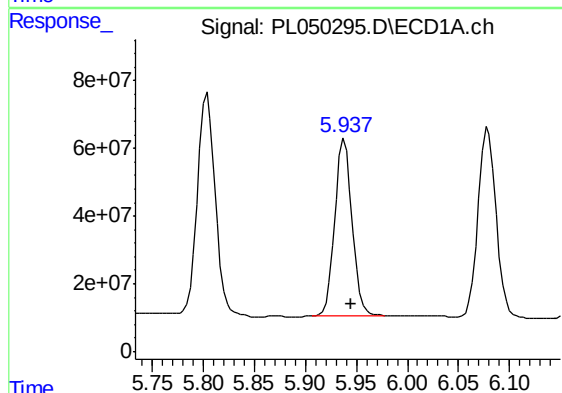
Manual Integrations  
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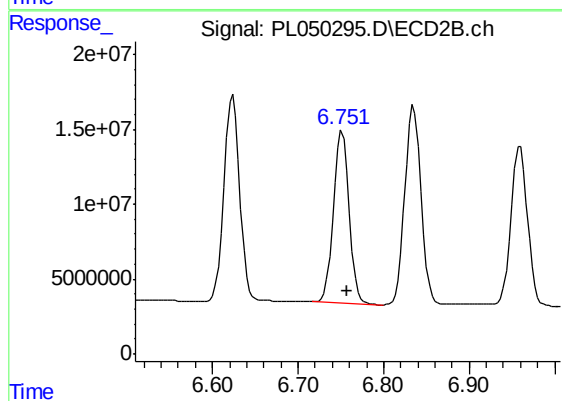
#15 Endosulfan II

R.T.: 6.835 min  
Delta R.T.: -0.006 min  
Response: 174443932  
Conc: 54.16 ng/ml



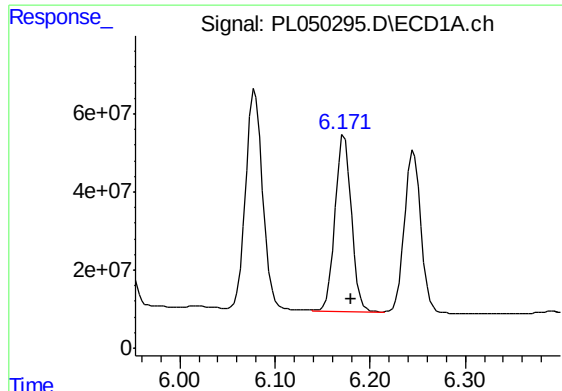
#16 4,4'-DDD

R.T.: 5.937 min  
Delta R.T.: -0.008 min  
Response: 616367840  
Conc: 48.83 ng/ml m



#16 4,4'-DDD

R.T.: 6.752 min  
Delta R.T.: -0.005 min  
Response: 147264674  
Conc: 56.33 ng/ml



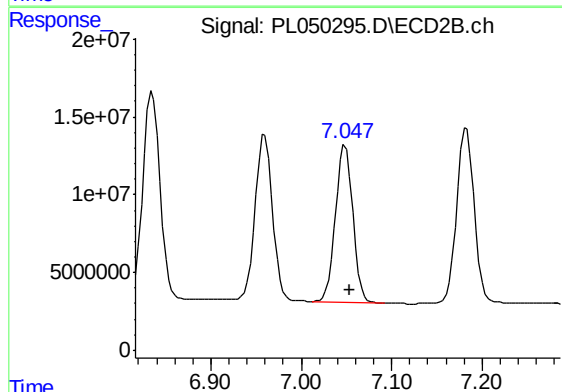
#17 4,4'-DDT

R.T.: 6.173 min  
Delta R.T.: -0.007 min  
Response: 548226178  
Conc: 41.30 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
KY030LC068-SD-190709MS

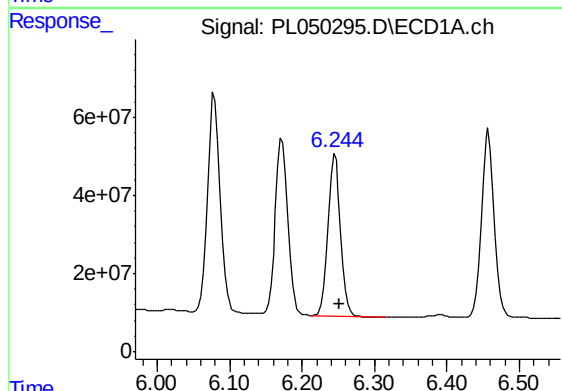
Manual Integrations  
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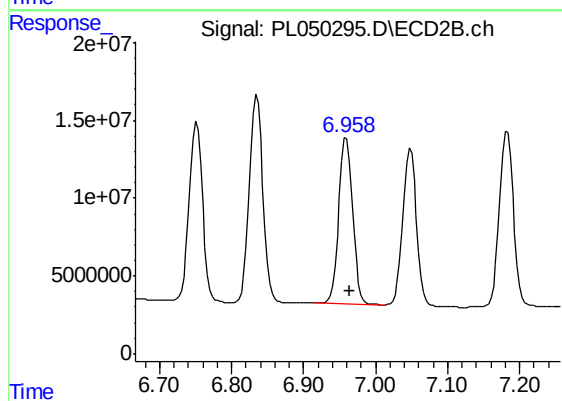
#17 4,4'-DDT

R.T.: 7.049 min  
Delta R.T.: -0.005 min  
Response: 132817259  
Conc: 45.35 ng/ml



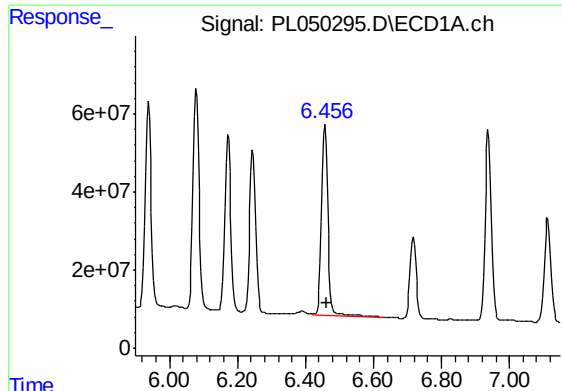
#18 Endrin aldehyde

R.T.: 6.246 min  
Delta R.T.: -0.007 min  
Response: 502730363  
Conc: 42.56 ng/ml



#18 Endrin aldehyde

R.T.: 6.960 min  
Delta R.T.: -0.005 min  
Response: 141934347  
Conc: 51.68 ng/ml



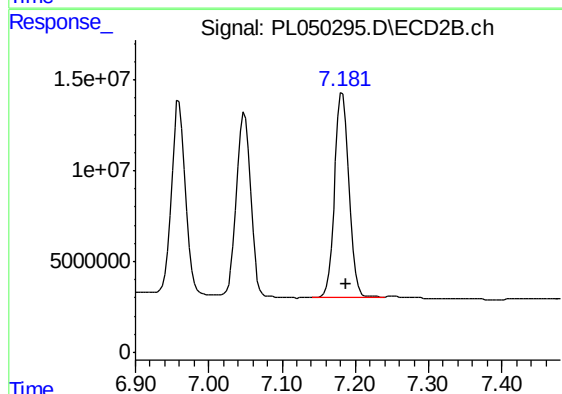
#19 Endosulfan Sulfate

R.T.: 6.457 min  
Delta R.T.: -0.007 min  
Response: 620054087  
Conc: 47.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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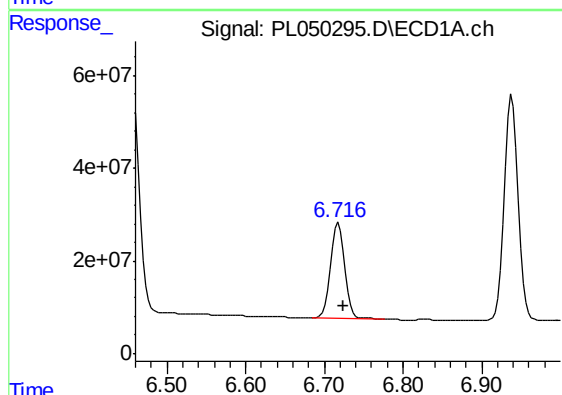
Manual Integrations  
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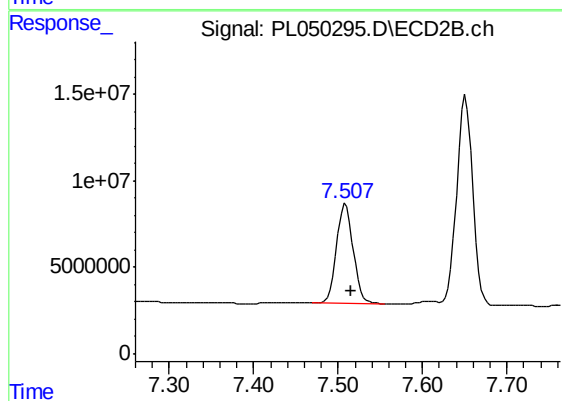
#19 Endosulfan Sulfate

R.T.: 7.183 min  
Delta R.T.: -0.005 min  
Response: 152071200  
Conc: 50.53 ng/ml



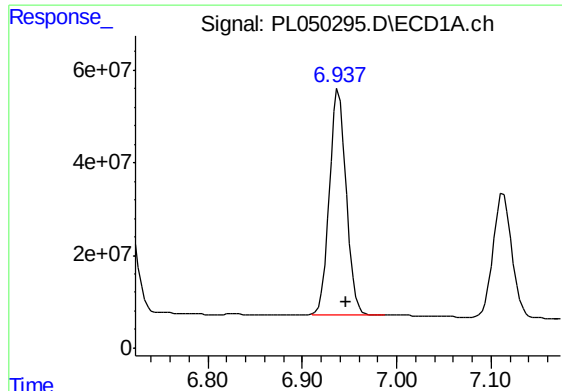
#20 Methoxychlor

R.T.: 6.718 min  
Delta R.T.: -0.007 min  
Response: 265218688  
Conc: 40.69 ng/ml



#20 Methoxychlor

R.T.: 7.507 min  
Delta R.T.: -0.007 min  
Response: 79004727  
Conc: 47.40 ng/ml m



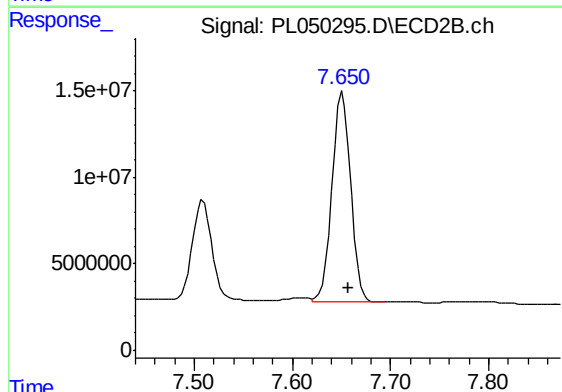
#21 Endrin ketone

R.T.: 6.939 min  
Delta R.T.: -0.008 min  
Response: 605907433  
Conc: 43.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
KY030LC068-SD-190709MS

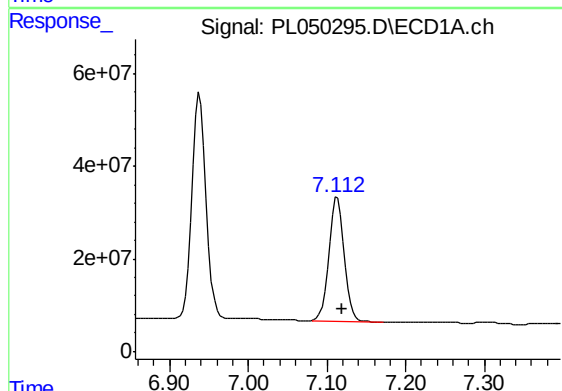
Manual Integrations  
APPROVED

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7/12/2019 10:09:52 AM



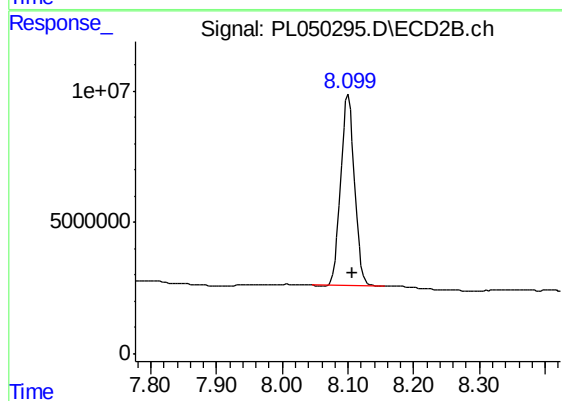
#21 Endrin ketone

R.T.: 7.651 min  
Delta R.T.: -0.006 min  
Response: 160277917  
Conc: 51.43 ng/ml



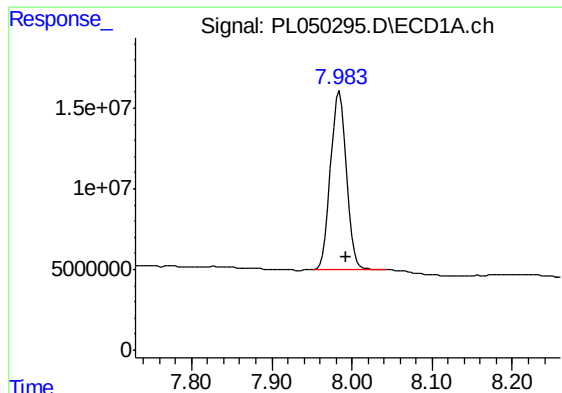
#22 Mirex

R.T.: 7.113 min  
Delta R.T.: -0.007 min  
Response: 365491703  
Conc: 35.36 ng/ml



#22 Mirex

R.T.: 8.101 min  
Delta R.T.: -0.006 min  
Response: 106086972  
Conc: 41.95 ng/ml



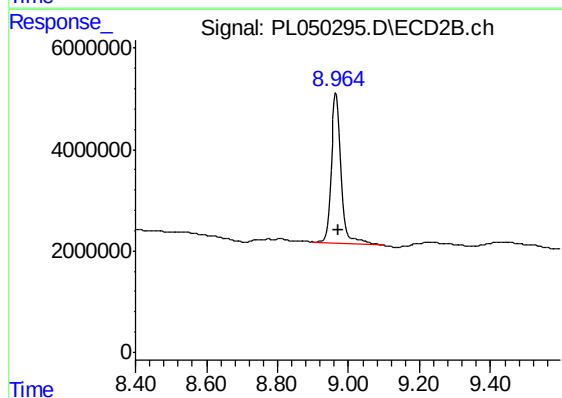
#28 Decachlorobiphenyl

R.T.: 7.984 min  
Delta R.T.: -0.008 min  
Response: 152995408  
Conc: 12.04 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
KY030LC068-SD-190709MS

Manual Integrations  
APPROVED

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#28 Decachlorobiphenyl

R.T.: 8.965 min  
Delta R.T.: -0.008 min  
Response: 56711949  
Conc: 16.89 ng/ml