

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL080618\  
 Data File : PL038951.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Aug 2018 13:10  
 Operator : AJ\SJ  
 Sample : SOIL IDOC 01  
 Misc : PB111658  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 SOIL IDOC 01

Manual Integrations  
 APPROVED

Sohil  
 8/7/2018 2:36:25 PM

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 07 02:05:12 2018  
 Quant Method : Z:\PESTPCBSRV\HPCHEM1\ECD\_L\methods\PL071318.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Jul 14 00:12:12 2018  
 Response via : Initial Calibration  
 Integrator: ChemStation

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   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|---------|----------|---------|---------|
| -----                       |                 |       |       |         |          |         |         |
| System Monitoring Compounds |                 |       |       |         |          |         |         |
| 1)                          | SA Tetrachlo... | 3.327 | 3.926 | 119.5E6 | 46433219 | 16.051  | 17.689  |
| 28)                         | SA Decachlor... | 7.993 | 8.934 | 125.1E6 | 46222169 | 16.497  | 18.909  |
| Target Compounds            |                 |       |       |         |          |         |         |
| 2)                          | A alpha-BHC     | 3.756 | 4.306 | 524.8E6 | 193.3E6  | 44.415  | 49.936  |
| 3)                          | MA gamma-BHC... | 4.032 | 4.585 | 477.4E6 | 174.4E6  | 45.538  | 48.290  |
| 4)                          | MA Heptachlor   | 4.315 | 5.094 | 484.3E6 | 176.2E6  | 45.524  | 55.118m |
| 5)                          | MB Aldrin       | 4.554 | 5.397 | 472.8E6 | 162.2E6  | 45.169  | 52.543  |
| 6)                          | B beta-BHC      | 4.287 | 4.748 | 212.6E6 | 78775052 | 45.043  | 51.932  |
| 7)                          | B delta-BHC     | 4.480 | 4.962 | 501.4E6 | 172.2E6  | 46.190  | 51.925  |
| 8)                          | B Heptachlo...  | 4.991 | 5.778 | 442.9E6 | 146.6E6  | 46.975  | 51.602  |
| 9)                          | A Endosulfan I  | 5.322 | 6.130 | 416.1E6 | 128.9E6  | 48.103  | 50.135  |
| 10)                         | B gamma-Chl...  | 5.213 | 6.010 | 464.1E6 | 144.2E6  | 46.956  | 49.736  |
| 11)                         | B alpha-Chl...  | 5.269 | 6.084 | 449.7E6 | 146.1E6  | 47.507  | 50.960  |
| 12)                         | B 4,4'-DDE      | 5.438 | 6.240 | 447.1E6 | 138.9E6  | 46.632  | 51.958  |
| 13)                         | MA Dieldrin     | 5.561 | 6.384 | 454.9E6 | 138.4E6  | 47.334  | 50.856  |
| 14)                         | MA Endrin       | 5.814 | 6.597 | 415.2E6 | 117.4E6  | 47.793  | 49.180m |
| 15)                         | B Endosulfa...  | 6.088 | 6.801 | 395.8E6 | 115.6E6  | 49.917m | 48.159m |
| 16)                         | A 4,4'-DDD      | 5.949 | 6.720 | 361.0E6 | 103.9E6  | 49.217  | 48.527m |
| 17)                         | MA 4,4'-DDT     | 6.183 | 7.021 | 360.4E6 | 104.9E6  | 48.518  | 49.223  |
| 18)                         | B Endrin al...  | 6.257 | 6.925 | 309.5E6 | 99580383 | 48.601  | 51.031  |
| 19)                         | B Endosulfa...  | 6.467 | 7.147 | 370.4E6 | 110.5E6  | 49.037  | 50.687  |
| 20)                         | A Methoxychlor  | 6.731 | 7.476 | 190.6E6 | 60220586 | 49.533  | 52.887  |
| 21)                         | B Endrin ke...  | 6.950 | 7.611 | 387.0E6 | 114.6E6  | 49.329  | 48.086  |
| -----                       |                 |       |       |         |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL080618\  
Data File : PL038951.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Aug 2018 13:10  
Operator : AJ\SJ  
Sample : SOIL IDOC 01  
Misc : PB111658  
ALS Vial : 5 Sample Multiplier: 1

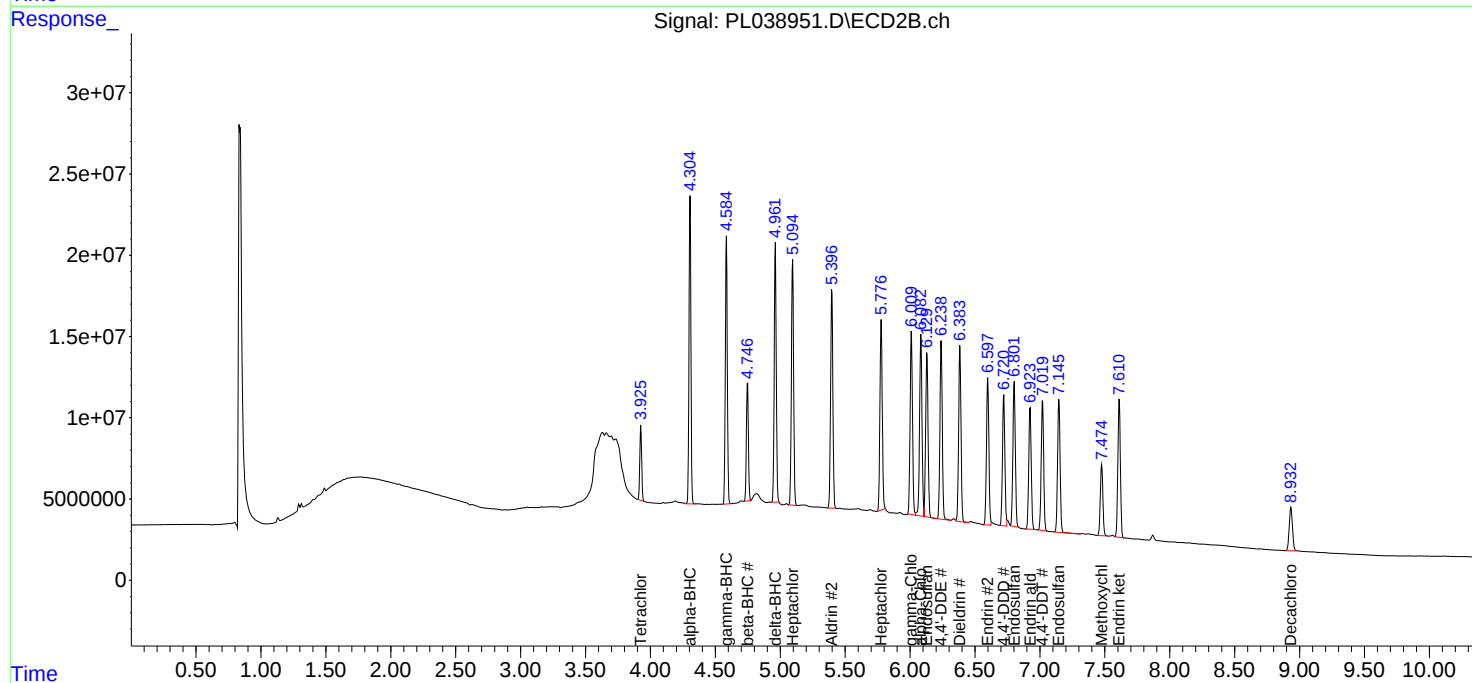
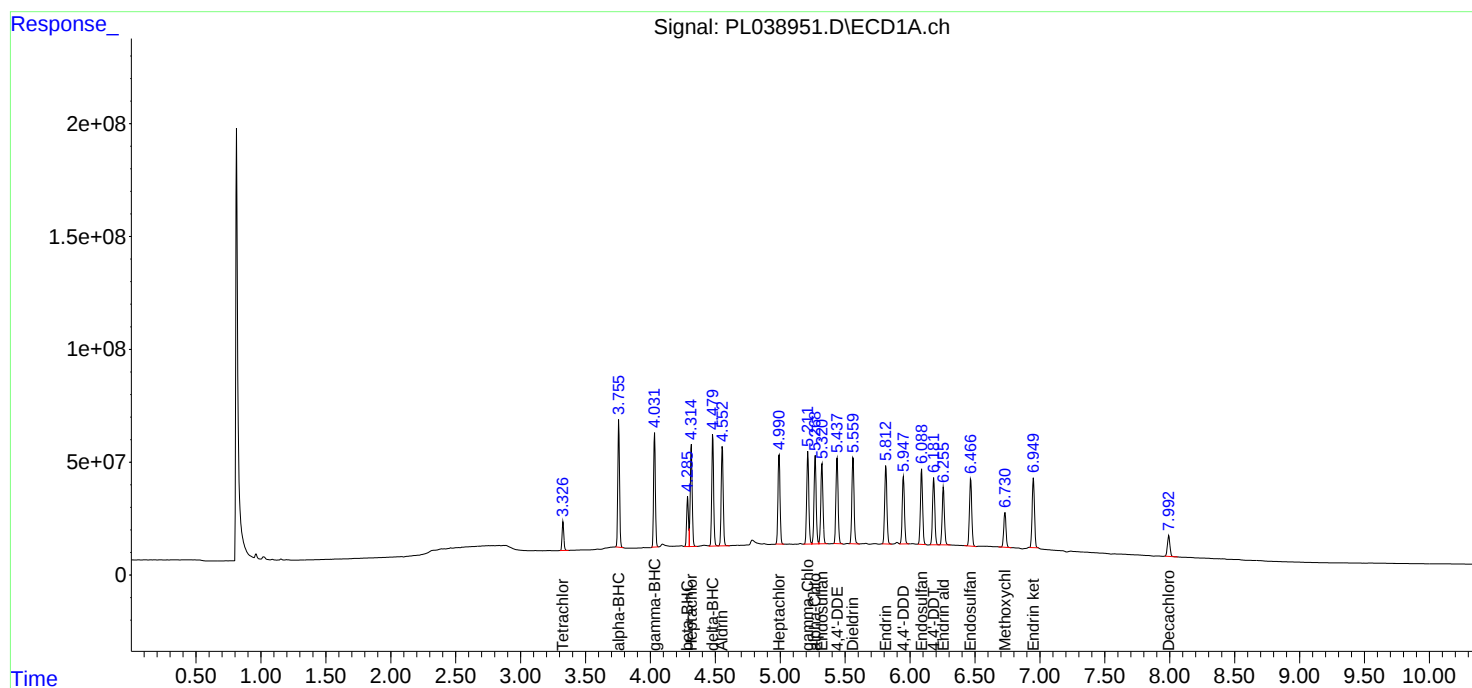
Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC 01

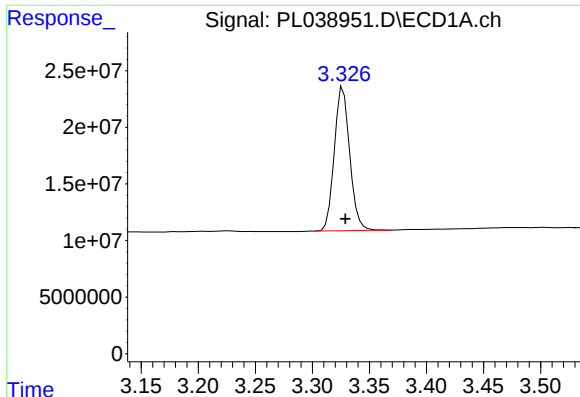
Manual Integrations  
APPROVED

Sohil  
8/7/2018 2:36:25 PM

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Aug 07 02:05:12 2018  
Quant Method : Z:\PESTPCBSRV\HPCHEM1\ECD\_L\methods\PL071318.M  
Quant Title : GC Extractables  
QLast Update : Sat Jul 14 00:12:12 2018  
Response via : Initial Calibration  
Integrator: ChemStation

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





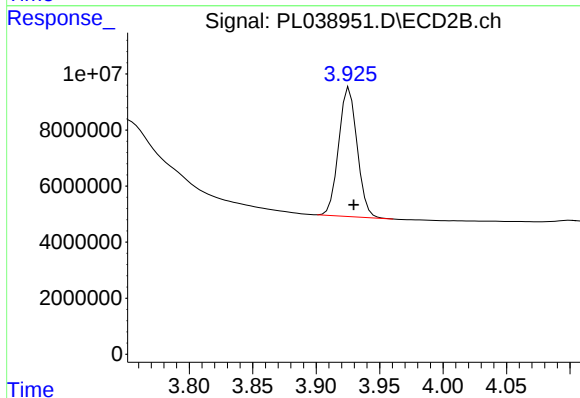
#1 Tetrachloro-m-xylene

R.T.: 3.327 min  
Delta R.T.: -0.002 min  
Response: 119522052  
Conc: 16.05 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC 01

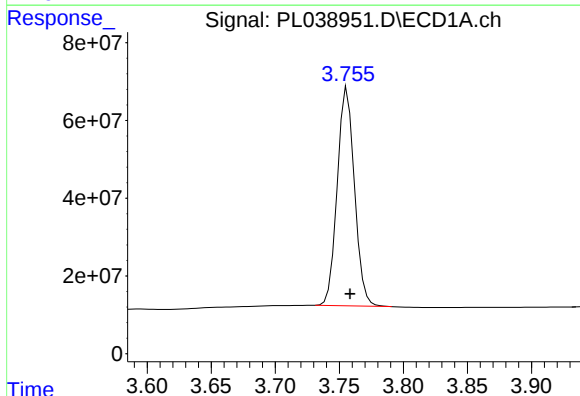
Manual Integrations  
APPROVED

Sohil  
8/7/2018 2:36:25 PM



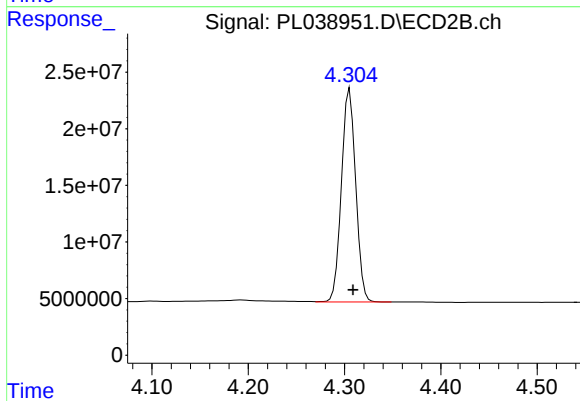
#1 Tetrachloro-m-xylene

R.T.: 3.926 min  
Delta R.T.: -0.003 min  
Response: 46433219  
Conc: 17.69 ng/ml



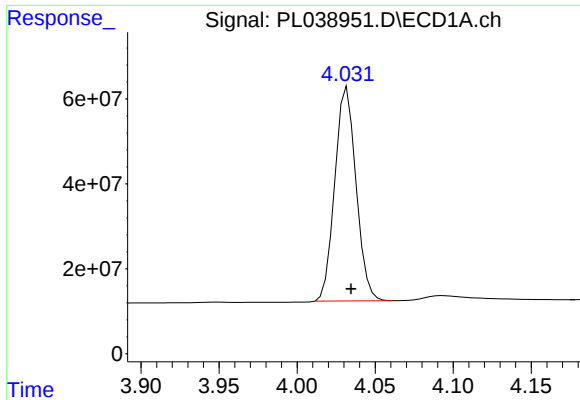
#2 alpha-BHC

R.T.: 3.756 min  
Delta R.T.: -0.002 min  
Response: 524784786  
Conc: 44.42 ng/ml



#2 alpha-BHC

R.T.: 4.306 min  
Delta R.T.: -0.003 min  
Response: 193260640  
Conc: 49.94 ng/ml



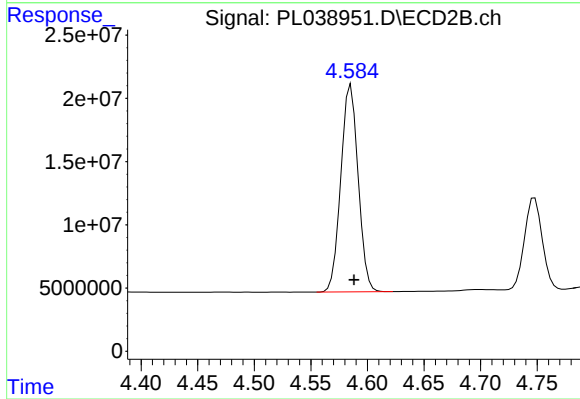
#3 gamma-BHC (Lindane)

R.T.: 4.032 min  
Delta R.T.: -0.002 min  
Response: 477409823  
Conc: 45.54 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC 01

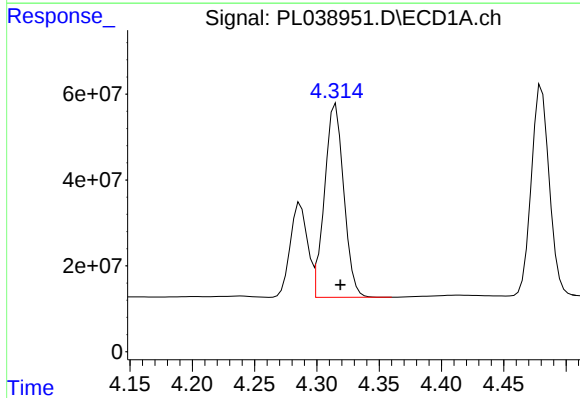
Manual Integrations  
APPROVED

Sohil  
8/7/2018 2:36:25 PM



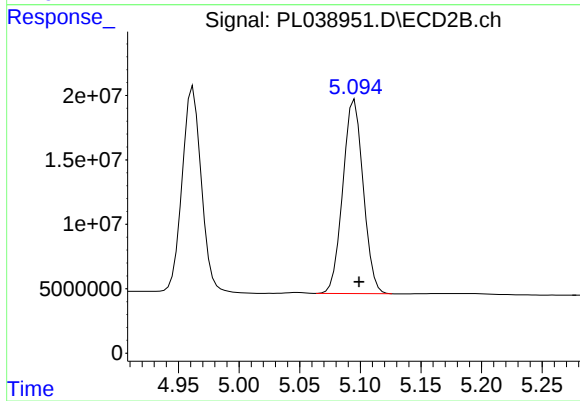
#3 gamma-BHC (Lindane)

R.T.: 4.585 min  
Delta R.T.: -0.003 min  
Response: 174414657  
Conc: 48.29 ng/ml



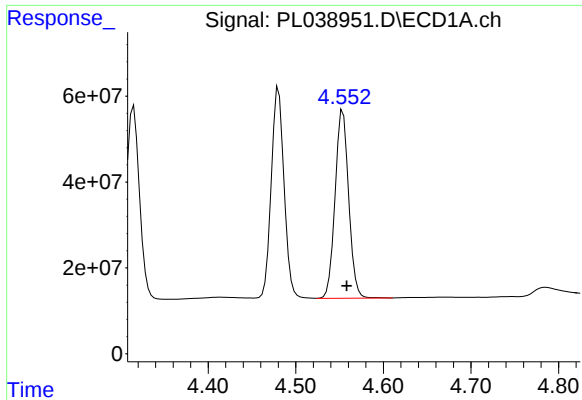
#4 Heptachlor

R.T.: 4.315 min  
Delta R.T.: -0.004 min  
Response: 484253467  
Conc: 45.52 ng/ml



#4 Heptachlor

R.T.: 5.094 min  
Delta R.T.: -0.005 min  
Response: 176171477  
Conc: 55.12 ng/ml m



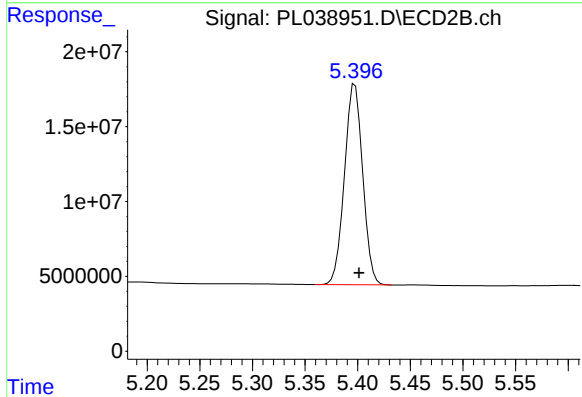
#5 Aldrin

R.T.: 4.554 min  
Delta R.T.: -0.005 min  
Response: 472798888  
Conc: 45.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC 01

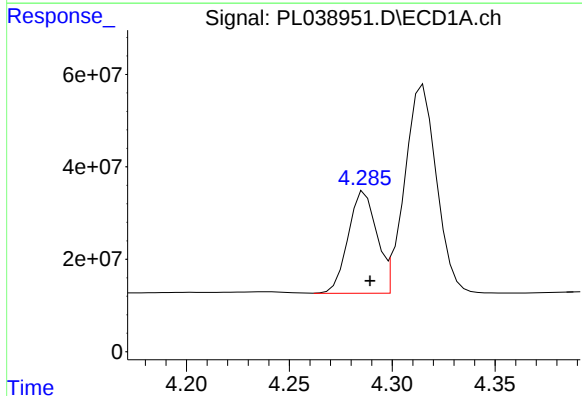
Manual Integrations  
APPROVED

Sohil  
8/7/2018 2:36:25 PM



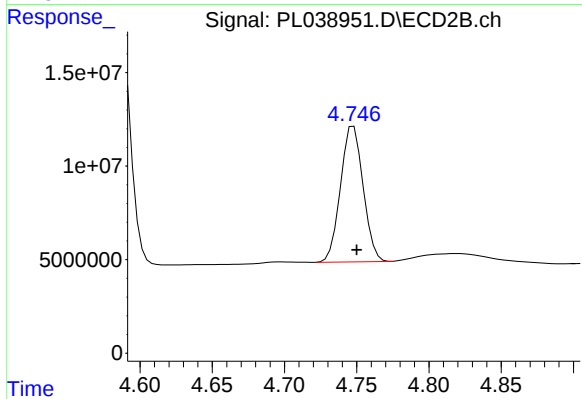
#5 Aldrin

R.T.: 5.397 min  
Delta R.T.: -0.004 min  
Response: 162158357  
Conc: 52.54 ng/ml



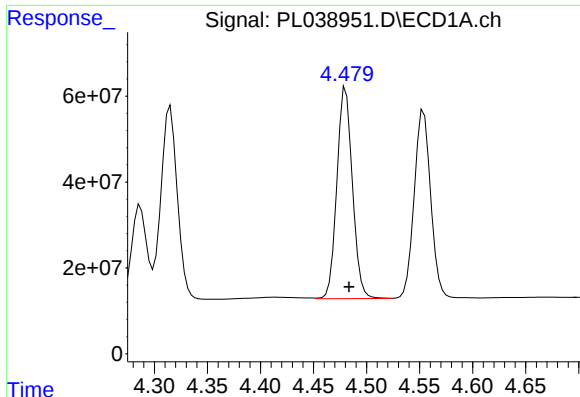
#6 beta-BHC

R.T.: 4.287 min  
Delta R.T.: -0.003 min  
Response: 212617833  
Conc: 45.04 ng/ml



#6 beta-BHC

R.T.: 4.748 min  
Delta R.T.: -0.002 min  
Response: 78775052  
Conc: 51.93 ng/ml



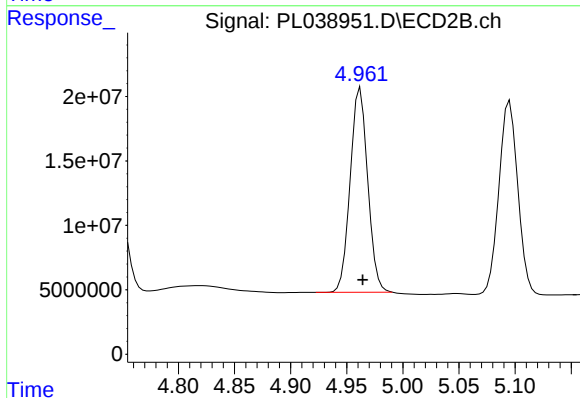
#7 delta-BHC

R.T.: 4.480 min  
Delta R.T.: -0.003 min  
Response: 501359445  
Conc: 46.19 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC 01

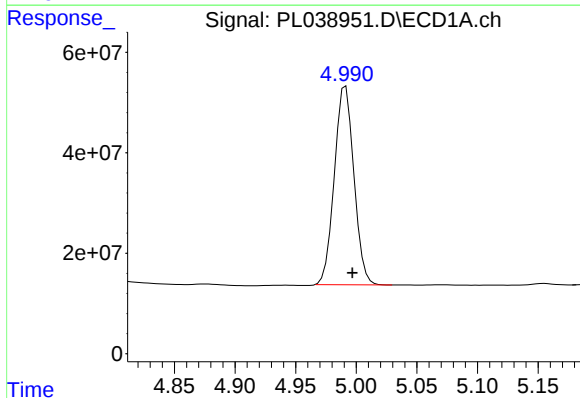
Manual Integrations  
APPROVED

Sohil  
8/7/2018 2:36:25 PM



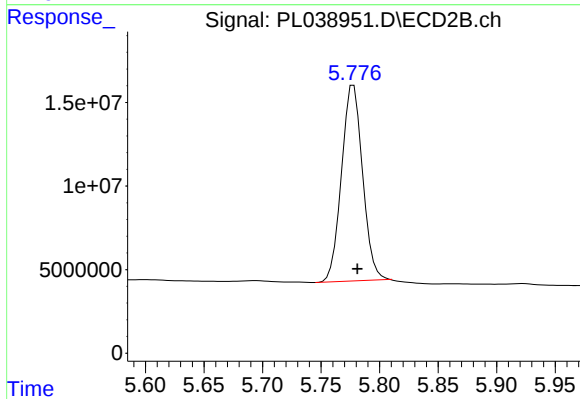
#7 delta-BHC

R.T.: 4.962 min  
Delta R.T.: -0.002 min  
Response: 172214437  
Conc: 51.92 ng/ml



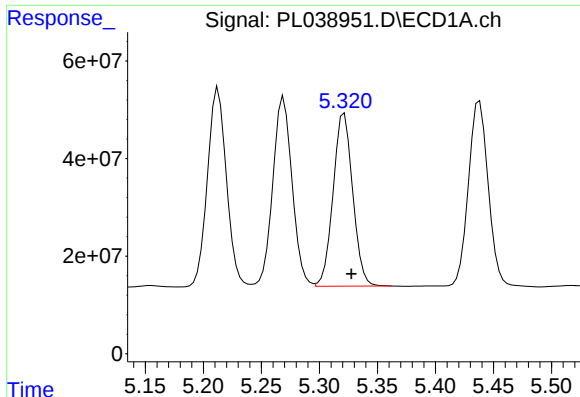
#8 Heptachlor epoxide

R.T.: 4.991 min  
Delta R.T.: -0.005 min  
Response: 442900467  
Conc: 46.97 ng/ml



#8 Heptachlor epoxide

R.T.: 5.778 min  
Delta R.T.: -0.003 min  
Response: 146647246  
Conc: 51.60 ng/ml



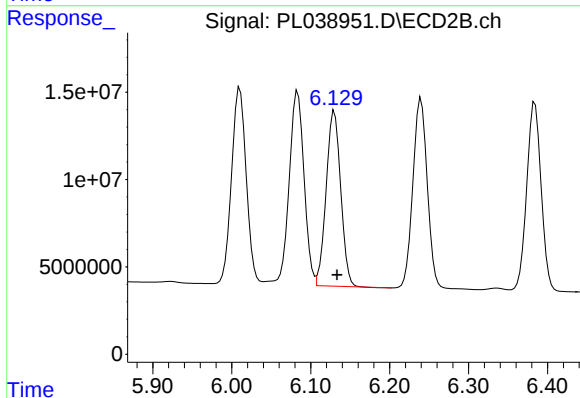
#9 Endosulfan I

R.T.: 5.322 min  
Delta R.T.: -0.006 min  
Response: 416072649  
Conc: 48.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC 01

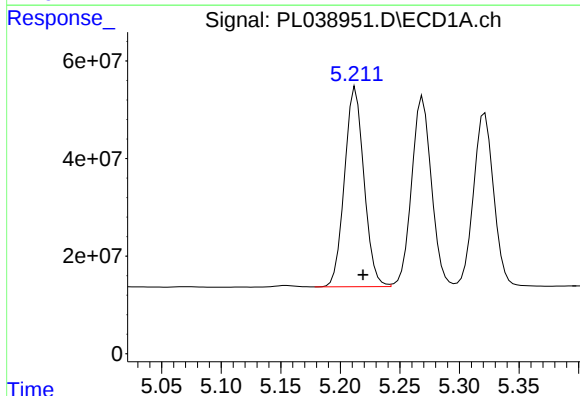
Manual Integrations  
APPROVED

Sohil  
8/7/2018 2:36:25 PM



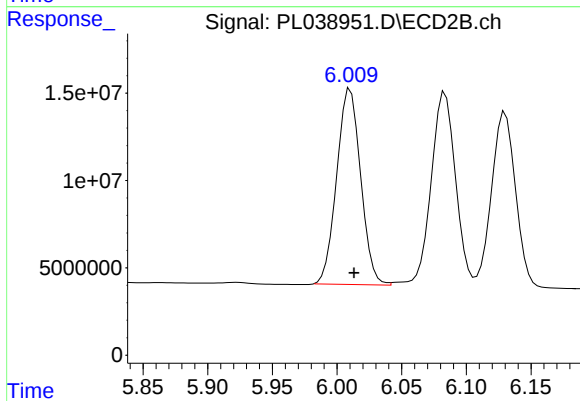
#9 Endosulfan I

R.T.: 6.130 min  
Delta R.T.: -0.003 min  
Response: 128937193  
Conc: 50.14 ng/ml



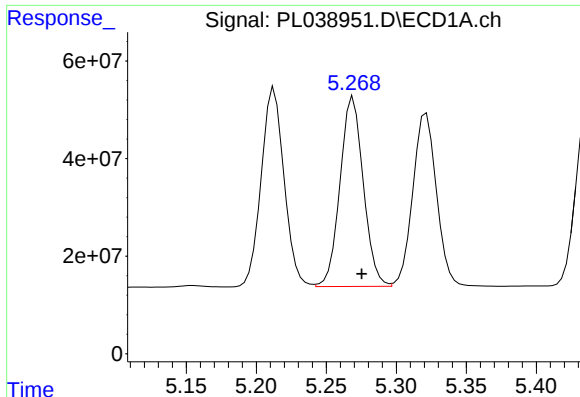
#10 gamma-Chlordane

R.T.: 5.213 min  
Delta R.T.: -0.006 min  
Response: 464107262  
Conc: 46.96 ng/ml



#10 gamma-Chlordane

R.T.: 6.010 min  
Delta R.T.: -0.003 min  
Response: 144195773  
Conc: 49.74 ng/ml



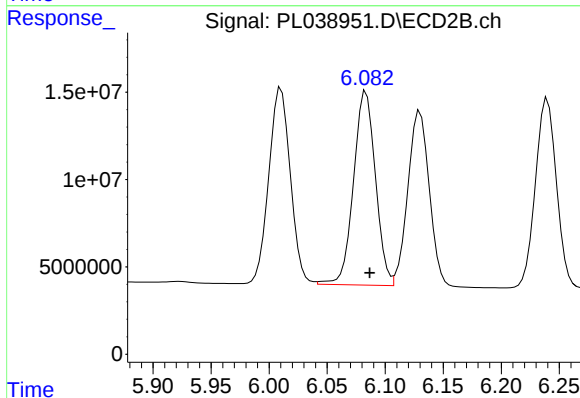
#11 alpha-Chlordane

R.T.: 5.269 min  
Delta R.T.: -0.006 min  
Response: 449694761  
Conc: 47.51 ng/ml

Instrument :  
ECD\_L  
ClientSampled :  
SOIL IDOC 01

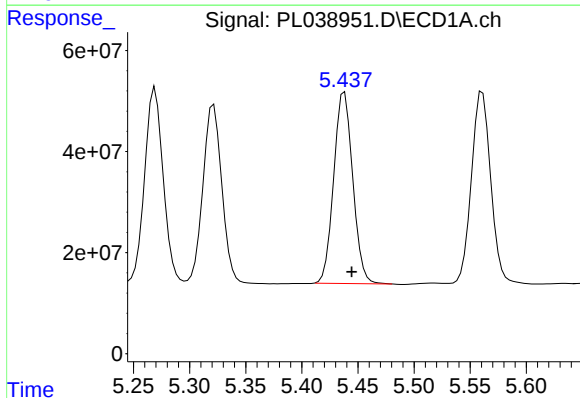
Manual Integrations  
APPROVED

Sohil  
8/7/2018 2:36:25 PM



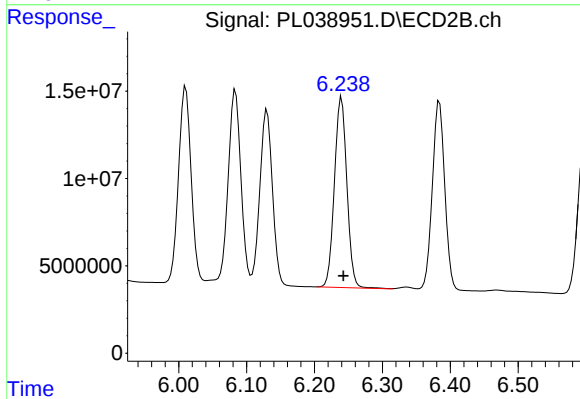
#11 alpha-Chlordane

R.T.: 6.084 min  
Delta R.T.: -0.003 min  
Response: 146061903  
Conc: 50.96 ng/ml



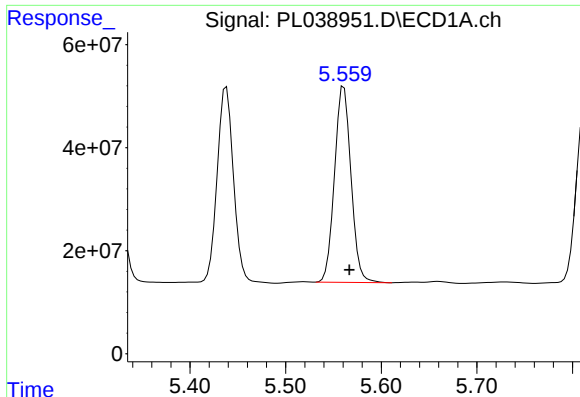
#12 4,4'-DDE

R.T.: 5.438 min  
Delta R.T.: -0.006 min  
Response: 447097146  
Conc: 46.63 ng/ml



#12 4,4'-DDE

R.T.: 6.240 min  
Delta R.T.: -0.003 min  
Response: 138941183  
Conc: 51.96 ng/ml



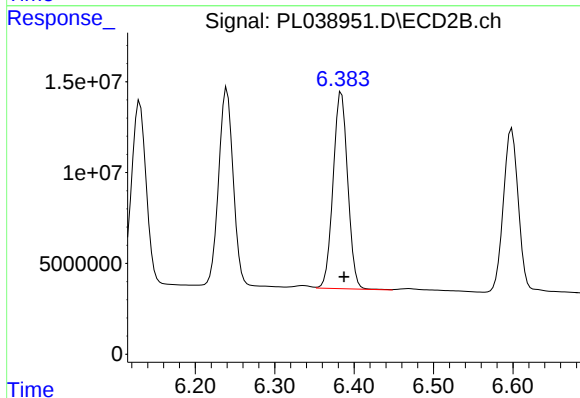
#13 Dieldrin

R.T.: 5.561 min  
Delta R.T.: -0.006 min  
Response: 454889974  
Conc: 47.33 ng/ml

Instrument :  
ECD\_L  
ClientSampled :  
SOIL IDOC 01

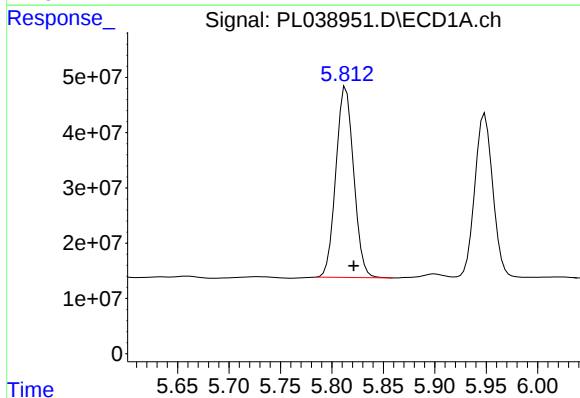
Manual Integrations  
APPROVED

Sohil  
8/7/2018 2:36:25 PM



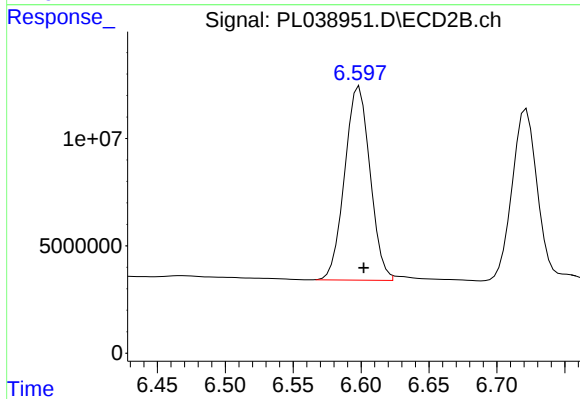
#13 Dieldrin

R.T.: 6.384 min  
Delta R.T.: -0.003 min  
Response: 138417468  
Conc: 50.86 ng/ml



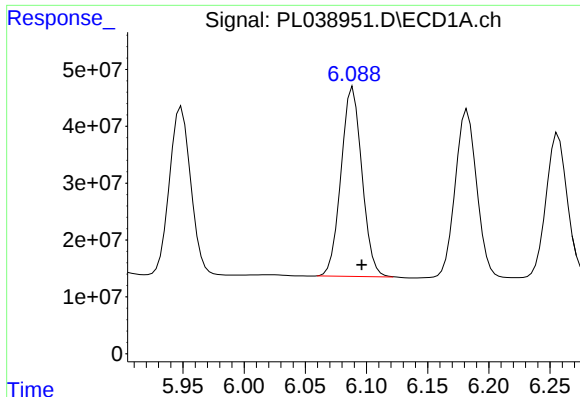
#14 Endrin

R.T.: 5.814 min  
Delta R.T.: -0.008 min  
Response: 415241550  
Conc: 47.79 ng/ml



#14 Endrin

R.T.: 6.597 min  
Delta R.T.: -0.005 min  
Response: 117447837  
Conc: 49.18 ng/ml m



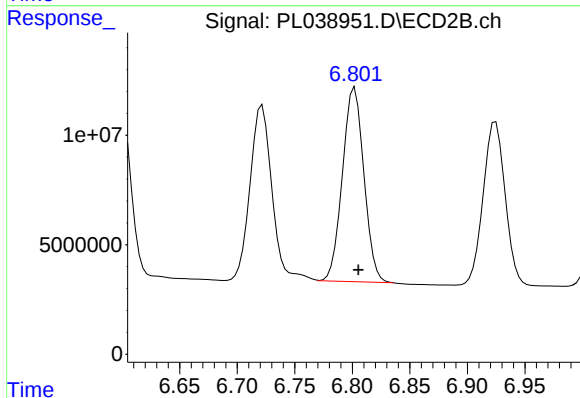
#15 Endosulfan II

R.T.: 6.088 min  
Delta R.T.: -0.009 min  
Response: 395848643  
Conc: 49.92 ng/ml m

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC 01

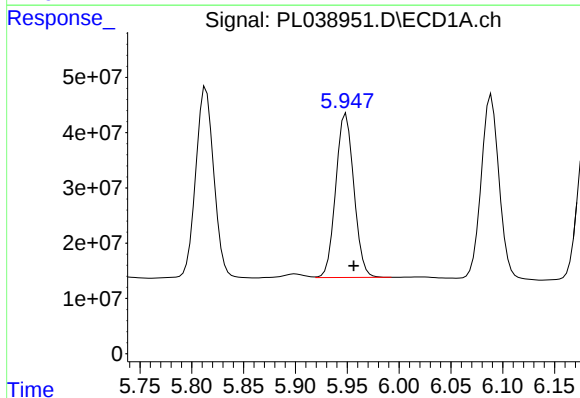
Manual Integrations  
APPROVED

Sohil  
8/7/2018 2:36:25 PM



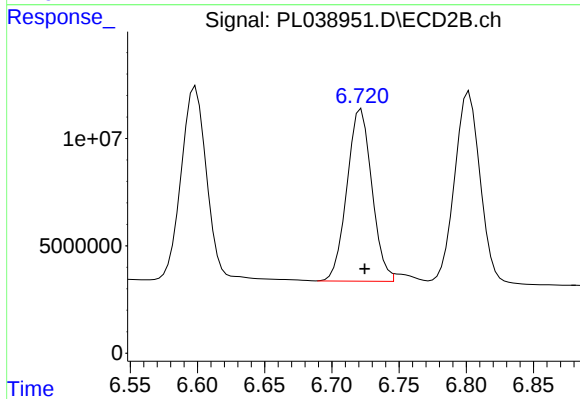
#15 Endosulfan II

R.T.: 6.801 min  
Delta R.T.: -0.005 min  
Response: 115649733  
Conc: 48.16 ng/ml m



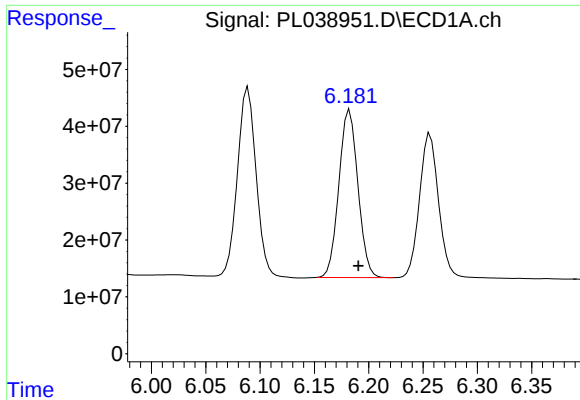
#16 4,4'-DDD

R.T.: 5.949 min  
Delta R.T.: -0.008 min  
Response: 361034886  
Conc: 49.22 ng/ml



#16 4,4'-DDD

R.T.: 6.720 min  
Delta R.T.: -0.004 min  
Response: 103868144  
Conc: 48.53 ng/ml m



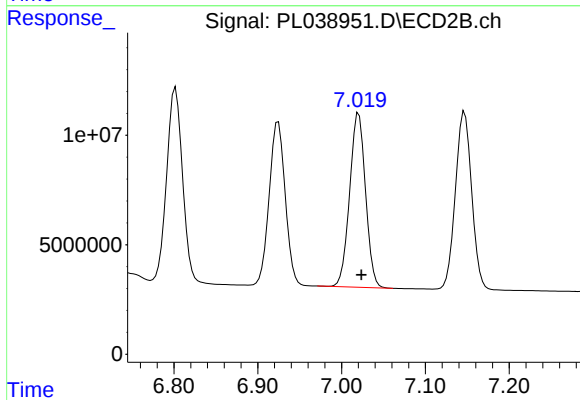
#17 4,4'-DDT

R.T.: 6.183 min  
Delta R.T.: -0.008 min  
Response: 360422056  
Conc: 48.52 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC 01

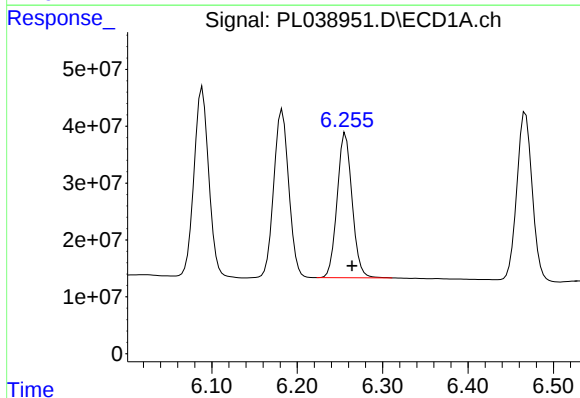
Manual Integrations  
APPROVED

Sohil  
8/7/2018 2:36:25 PM



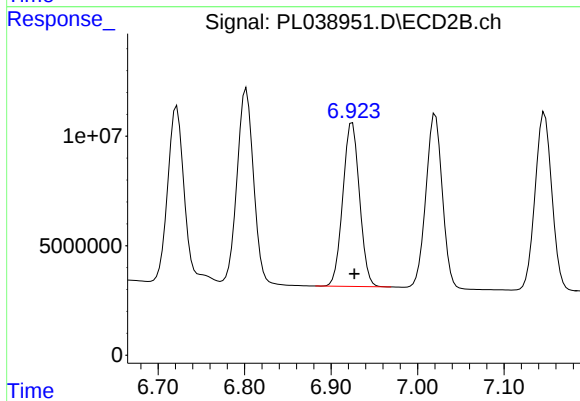
#17 4,4'-DDT

R.T.: 7.021 min  
Delta R.T.: -0.003 min  
Response: 104944300  
Conc: 49.22 ng/ml



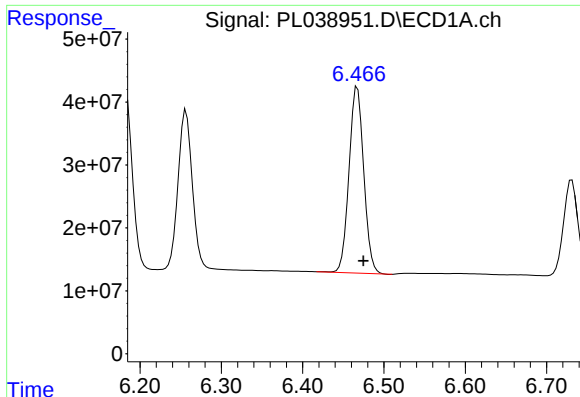
#18 Endrin aldehyde

R.T.: 6.257 min  
Delta R.T.: -0.008 min  
Response: 309469860  
Conc: 48.60 ng/ml



#18 Endrin aldehyde

R.T.: 6.925 min  
Delta R.T.: -0.003 min  
Response: 99580383  
Conc: 51.03 ng/ml



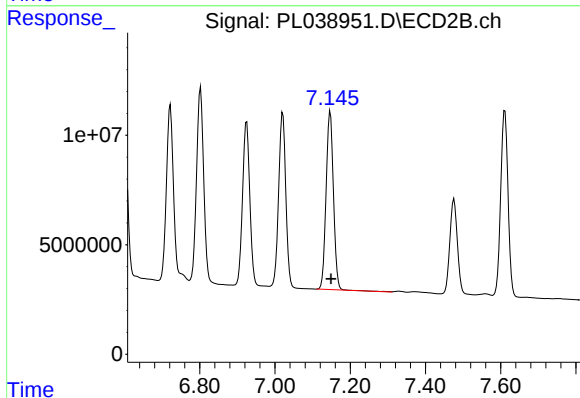
#19 Endosulfan Sulfate

R.T.: 6.467 min  
Delta R.T.: -0.008 min  
Response: 370394784  
Conc: 49.04 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC 01

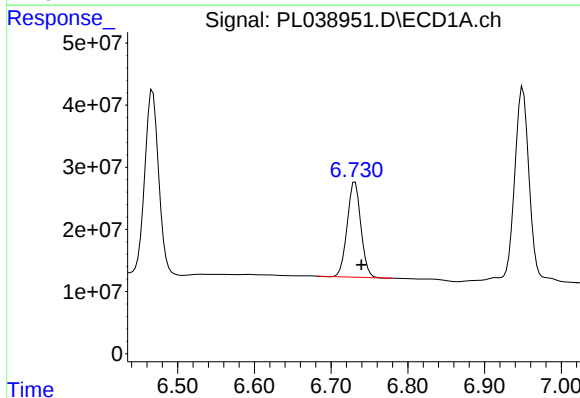
Manual Integrations  
APPROVED

Sohil  
8/7/2018 2:36:25 PM



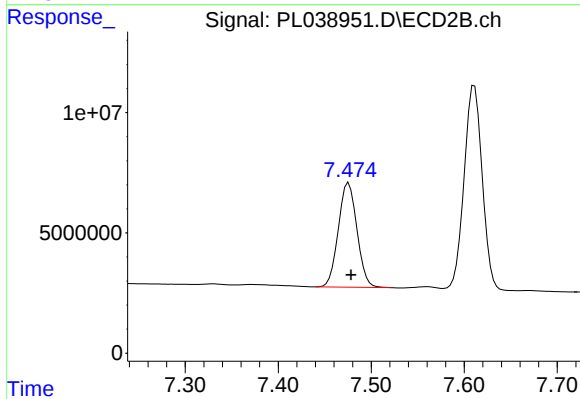
#19 Endosulfan Sulfate

R.T.: 7.147 min  
Delta R.T.: -0.003 min  
Response: 110486974  
Conc: 50.69 ng/ml



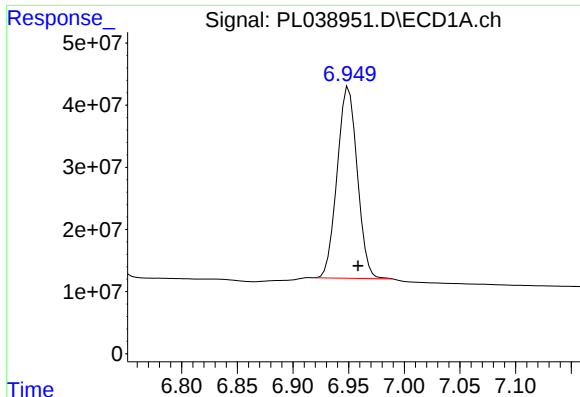
#20 Methoxychlor

R.T.: 6.731 min  
Delta R.T.: -0.008 min  
Response: 190576944  
Conc: 49.53 ng/ml



#20 Methoxychlor

R.T.: 7.476 min  
Delta R.T.: -0.002 min  
Response: 60220586  
Conc: 52.89 ng/ml



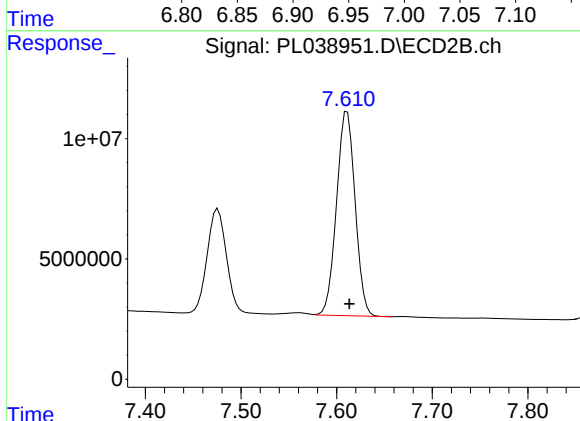
#21 Endrin ketone

R.T.: 6.950 min  
Delta R.T.: -0.008 min  
Response: 387032384  
Conc: 49.33 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC 01

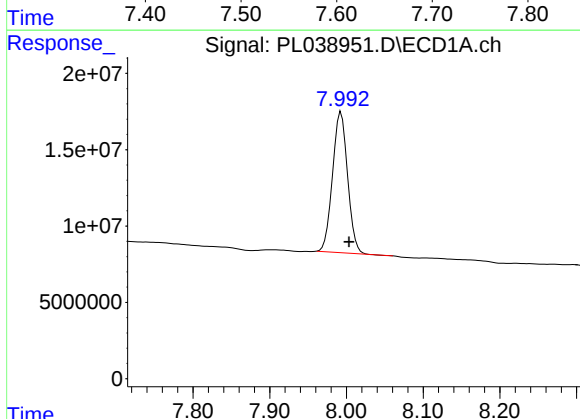
Manual Integrations  
APPROVED

Sohil  
8/7/2018 2:36:25 PM



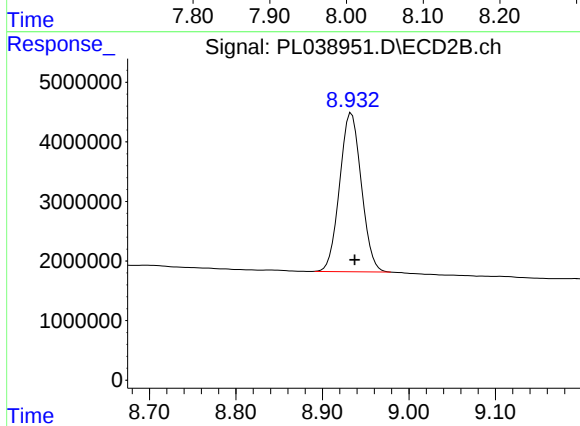
#21 Endrin ketone

R.T.: 7.611 min  
Delta R.T.: -0.002 min  
Response: 114614851  
Conc: 48.09 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.993 min  
Delta R.T.: -0.011 min  
Response: 125147829  
Conc: 16.50 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.934 min  
Delta R.T.: -0.004 min  
Response: 46222169  
Conc: 18.91 ng/ml