

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD030219\  
 Data File : PD051507.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 02 Mar 2019 00:06  
 Operator : AJ\SJ  
 Sample : K1560-02  
 Misc : PEST LOQ 10 PPB  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2019

Manual Integrations  
 APPROVED

Sohil  
 3/4/2019 11:49:41 AM

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 02 03:03:42 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD030219.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Mar 01 23:43:17 2019  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2 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 x 0.50µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml  | ng/ml    |
|-----------------------------|-----------------|-------|-------|----------|---------|--------|----------|
| -----                       |                 |       |       |          |         |        |          |
| System Monitoring Compounds |                 |       |       |          |         |        |          |
| 1)                          | SA Tetrachlo... | 3.224 | 4.044 | 26471678 | 607.2E6 | 19.965 | 21.175   |
| 2)                          | SA Decachlor... | 7.823 | 9.158 | 26455984 | 418.9E6 | 23.275 | 22.932   |
| Target Compounds            |                 |       |       |          |         |        |          |
| 2)                          | A alpha-BHC     | 3.644 | 4.436 | 18945232 | 463.4E6 | 8.630  | 10.621   |
| 3)                          | MA gamma-BHC... | 3.912 | 4.724 | 18862724 | 428.6E6 | 9.028  | 10.821   |
| 4)                          | MA Heptachlor   | 4.190 | 5.237 | 19857177 | 436.4E6 | 9.256  | 11.378   |
| 5)                          | MB Aldrin       | 4.422 | 5.544 | 18621015 | 402.1E6 | 9.147  | 11.227   |
| 6)                          | B beta-BHC      | 4.157 | 4.893 | 9005193  | 208.5E6 | 10.228 | 11.601   |
| 7)                          | B delta-BHC     | 4.346 | 5.113 | 17701013 | 402.0E6 | 8.729  | 11.699 # |
| 8)                          | B Heptachlo...  | 4.849 | 5.931 | 18831647 | 368.7E6 | 9.579  | 11.499   |
| 9)                          | A Endosulfan I  | 5.171 | 6.289 | 17844309 | 344.7E6 | 9.629  | 11.627m  |
| 10)                         | B gamma-Chl...  | 5.066 | 6.167 | 19223562 | 370.6E6 | 9.487  | 11.589   |
| 11)                         | B alpha-Chl...  | 5.123 | 6.240 | 19454610 | 370.1E6 | 9.680  | 11.677   |
| 12)                         | B 4,4'-DDE      | 5.292 | 6.396 | 17018560 | 352.9E6 | 9.085  | 11.411 # |
| 13)                         | MA Dieldrin     | 5.406 | 6.549 | 18761238 | 353.1E6 | 9.332  | 11.443   |
| 14)                         | MA Endrin       | 5.653 | 6.768 | 18105904 | 298.4E6 | 9.450  | 11.428   |
| 15)                         | B Endosulfa...  | 5.923 | 6.977 | 18476373 | 318.6E6 | 10.252 | 12.367   |
| 16)                         | A 4,4'-DDD      | 5.792 | 6.888 | 14550555 | 299.1E6 | 9.242m | 12.176 # |
| 17)                         | MA 4,4'-DDT     | 6.023 | 7.188 | 15460511 | 220.4E6 | 9.677m | 10.880   |
| 18)                         | B Endrin al...  | 6.090 | 7.101 | 15534023 | 251.1E6 | 10.502 | 11.710   |
| 19)                         | B Endosulfa...  | 6.298 | 7.325 | 17255993 | 276.4E6 | 10.437 | 11.792   |
| 20)                         | A Methoxychlor  | 6.571 | 7.647 | 9497885  | 129.1E6 | 10.695 | 11.727   |
| 21)                         | B Endrin ke...  | 6.773 | 7.799 | 19412326 | 260.8E6 | 10.487 | 11.542   |
| 22)                         | Mirex           | 6.943 | 8.257 | 14157096 | 190.0E6 | 11.254 | 12.279   |
| -----                       |                 |       |       |          |         |        |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD030219\  
Data File : PD051507.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 02 Mar 2019 00:06  
Operator : AJ\SJ  
Sample : K1560-02  
Misc : PEST LOQ 10 PPB  
ALS Vial : 25 Sample Multiplier: 1

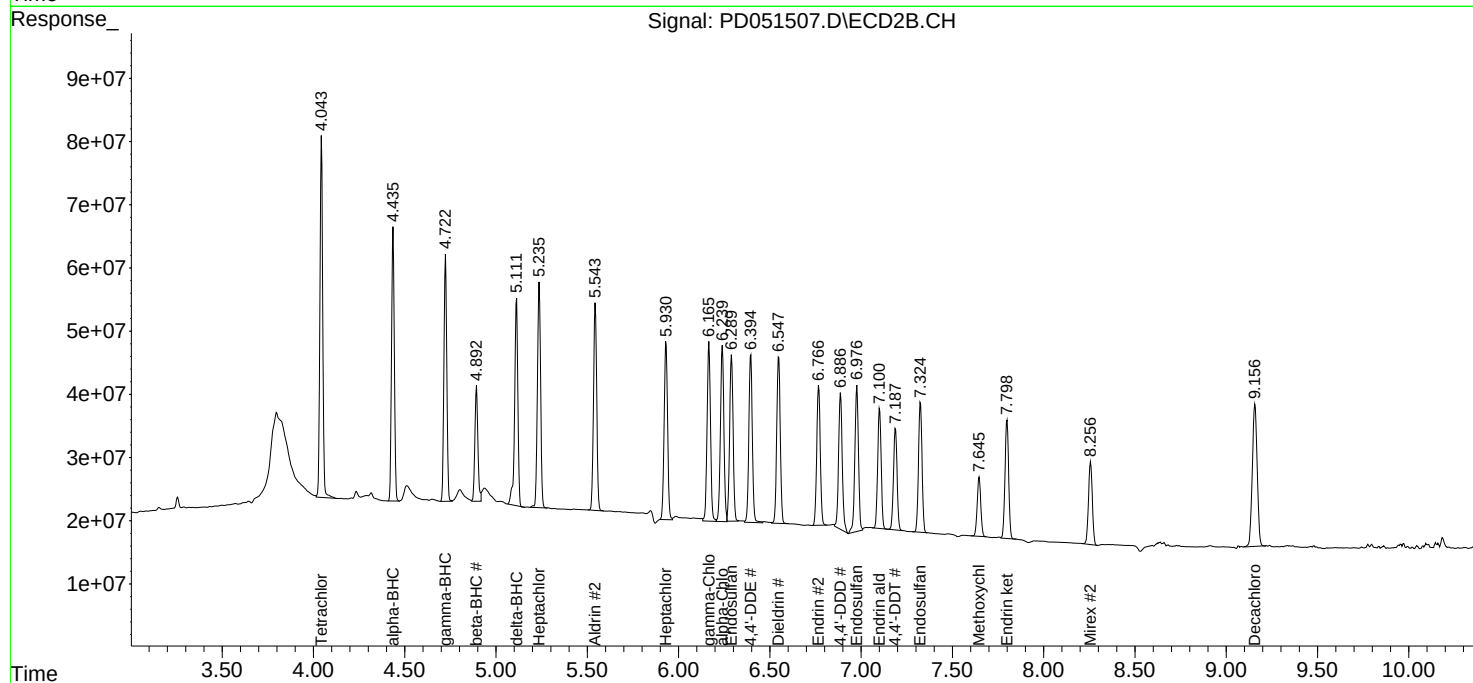
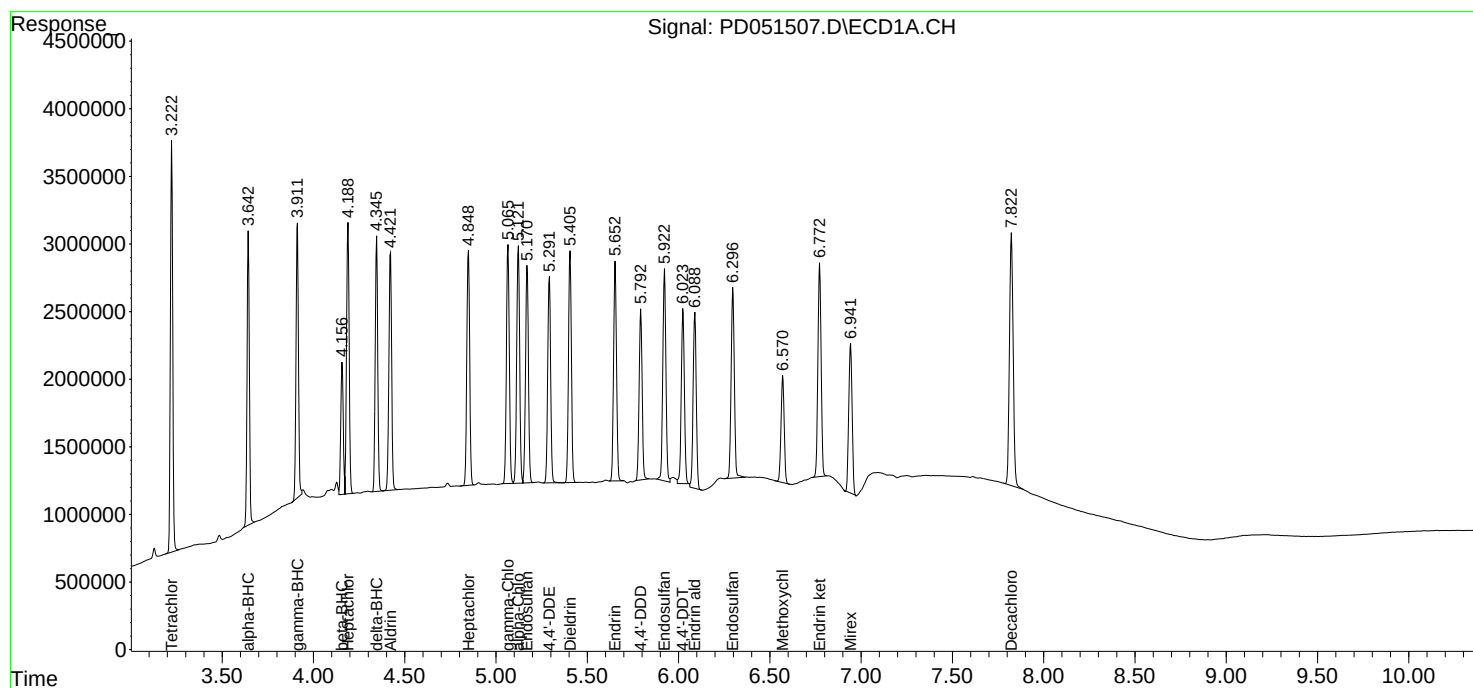
Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019

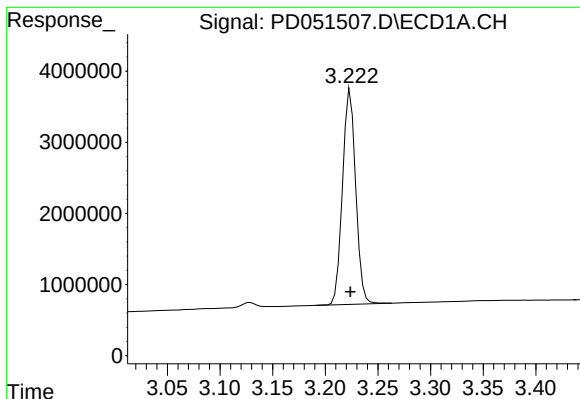
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:49:41 AM

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 02 03:03:42 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD030219.M  
Quant Title : GC Extractables  
QLast Update : Fri Mar 01 23:43:17 2019  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2 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 x 0.50µm





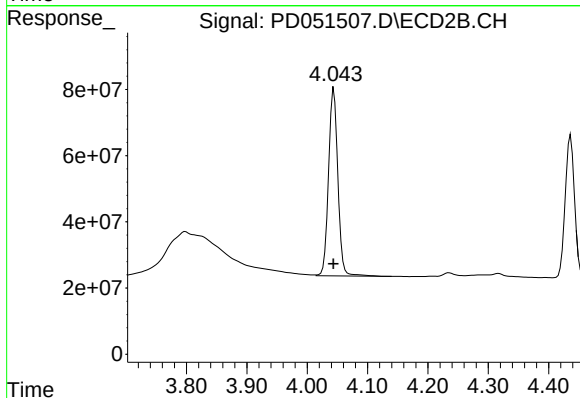
#1 Tetrachloro-m-xylene

R.T.: 3.224 min  
Delta R.T.: 0.000 min  
Response: 26471678  
Conc: 19.96 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019

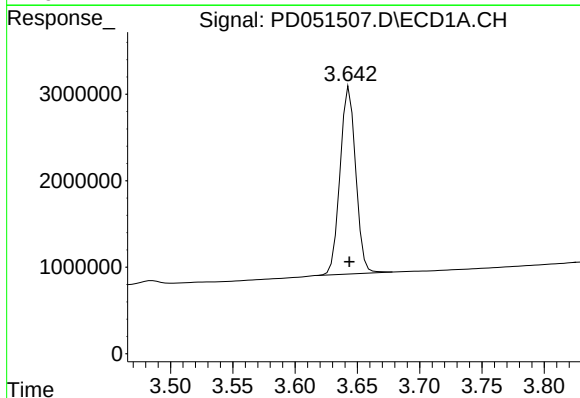
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:49:41 AM



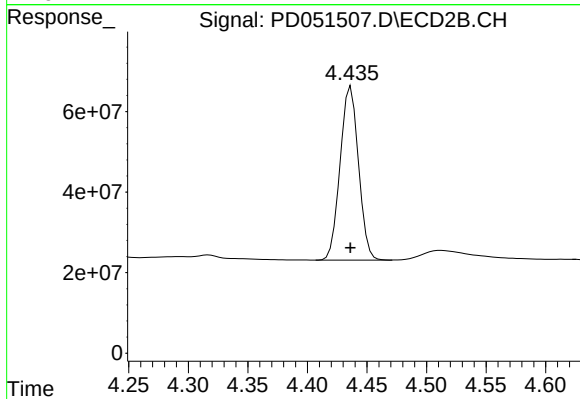
#1 Tetrachloro-m-xylene

R.T.: 4.044 min  
Delta R.T.: 0.000 min  
Response: 607249846  
Conc: 21.18 ng/ml



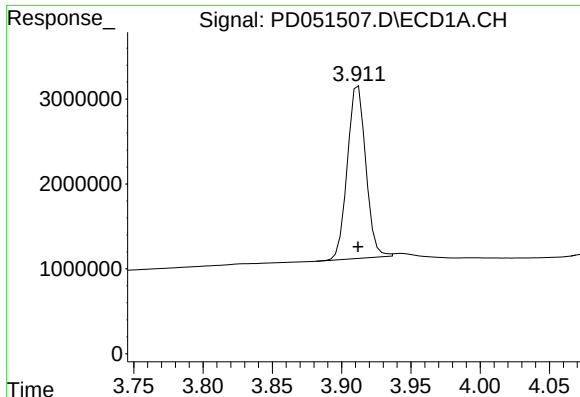
#2 alpha-BHC

R.T.: 3.644 min  
Delta R.T.: 0.000 min  
Response: 18945232  
Conc: 8.63 ng/ml



#2 alpha-BHC

R.T.: 4.436 min  
Delta R.T.: 0.000 min  
Response: 463392295  
Conc: 10.62 ng/ml



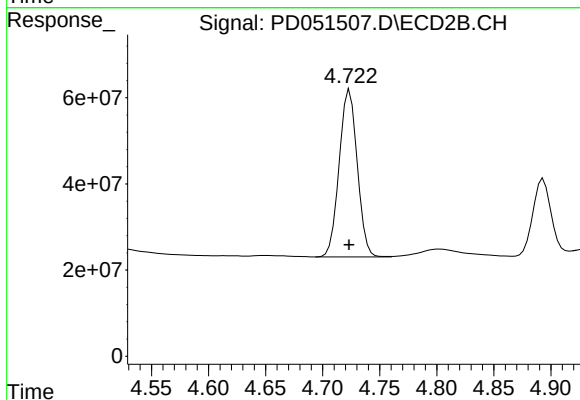
#3 gamma-BHC (Lindane)

R.T.: 3.912 min  
Delta R.T.: 0.000 min  
Response: 18862724  
Conc: 9.03 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019

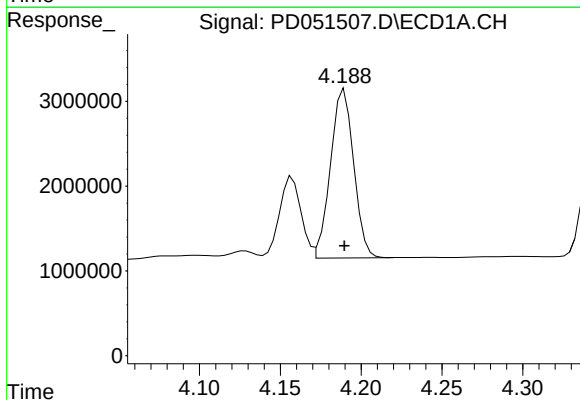
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:49:41 AM



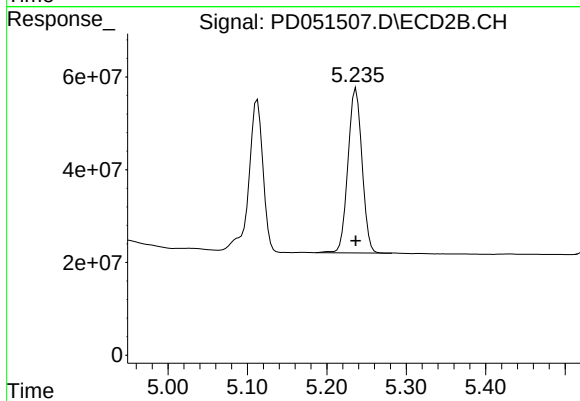
#3 gamma-BHC (Lindane)

R.T.: 4.724 min  
Delta R.T.: 0.000 min  
Response: 428611155  
Conc: 10.82 ng/ml



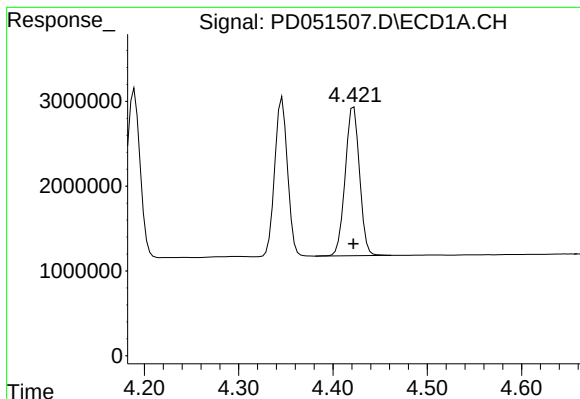
#4 Heptachlor

R.T.: 4.190 min  
Delta R.T.: 0.000 min  
Response: 19857177  
Conc: 9.26 ng/ml



#4 Heptachlor

R.T.: 5.237 min  
Delta R.T.: 0.000 min  
Response: 436356986  
Conc: 11.38 ng/ml



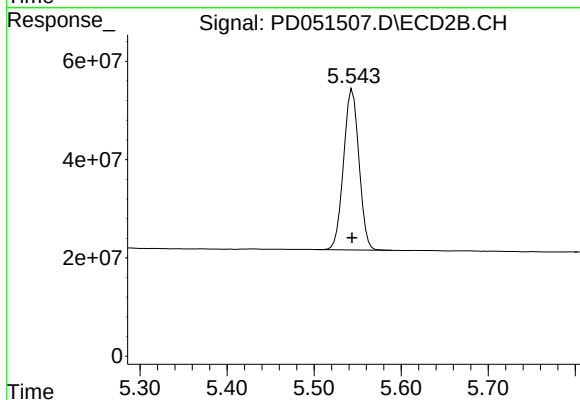
#5 Aldrin

R.T.: 4.422 min  
Delta R.T.: 0.000 min  
Response: 18621015  
Conc: 9.15 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019

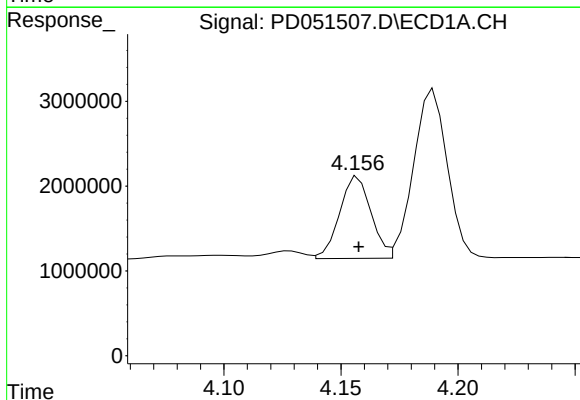
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:49:41 AM



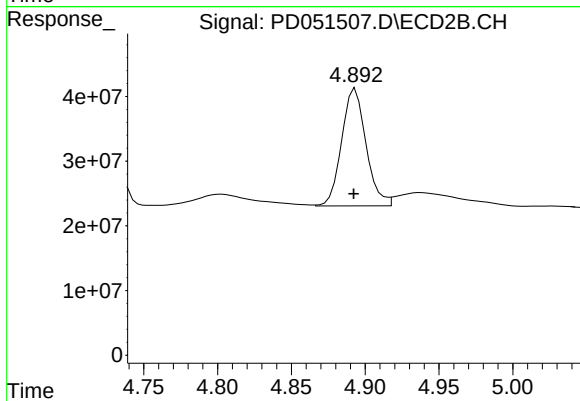
#5 Aldrin

R.T.: 5.544 min  
Delta R.T.: 0.000 min  
Response: 402110568  
Conc: 11.23 ng/ml



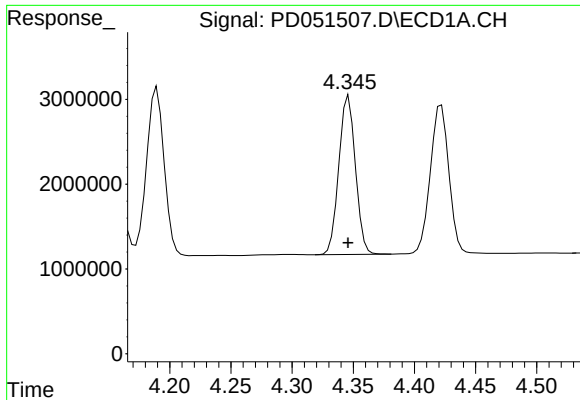
#6 beta-BHC

R.T.: 4.157 min  
Delta R.T.: 0.000 min  
Response: 9005193  
Conc: 10.23 ng/ml



#6 beta-BHC

R.T.: 4.893 min  
Delta R.T.: 0.001 min  
Response: 208502789  
Conc: 11.60 ng/ml



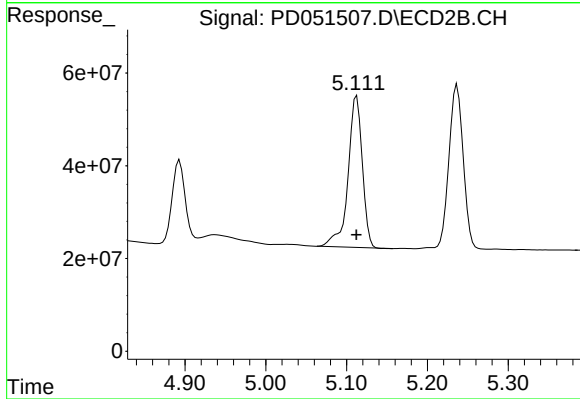
#7 delta-BHC

R.T.: 4.346 min  
Delta R.T.: 0.000 min  
Response: 17701013  
Conc: 8.73 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019

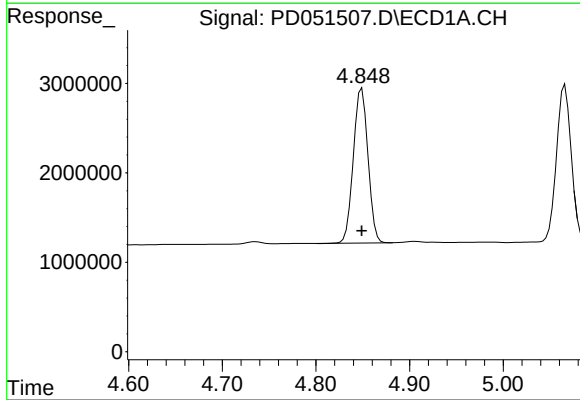
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:49:41 AM



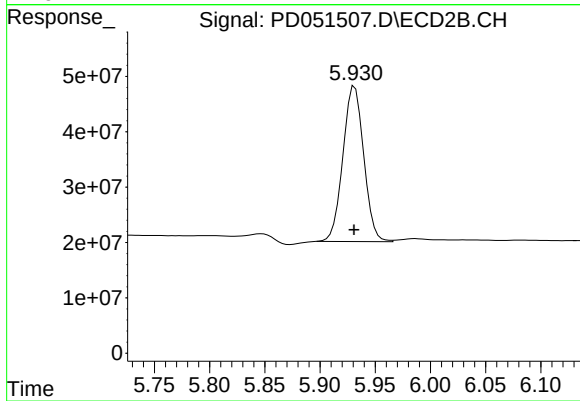
#7 delta-BHC

R.T.: 5.113 min  
Delta R.T.: 0.000 min  
Response: 402036244  
Conc: 11.70 ng/ml



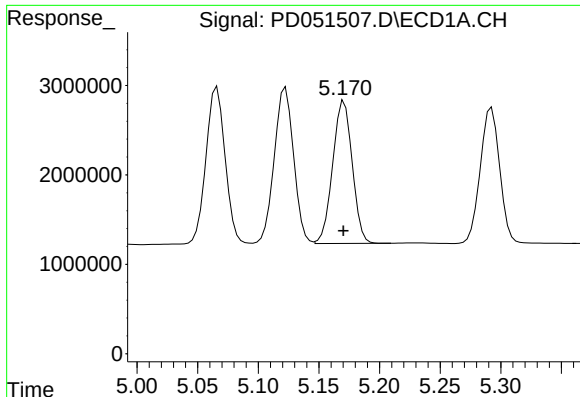
#8 Heptachlor epoxide

R.T.: 4.849 min  
Delta R.T.: 0.000 min  
Response: 18831647  
Conc: 9.58 ng/ml



#8 Heptachlor epoxide

R.T.: 5.931 min  
Delta R.T.: 0.000 min  
Response: 368720590  
Conc: 11.50 ng/ml



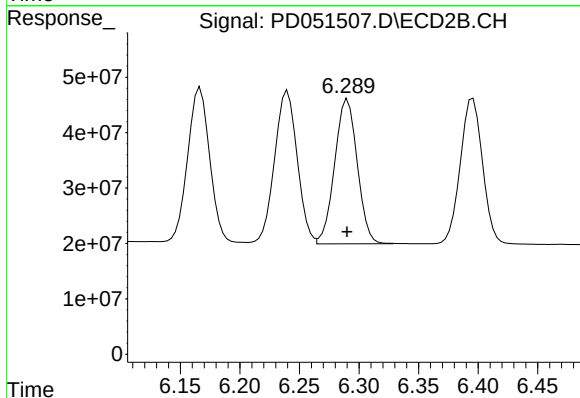
#9 Endosulfan I

R.T.: 5.171 min  
Delta R.T.: 0.000 min  
Response: 17844309  
Conc: 9.63 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019

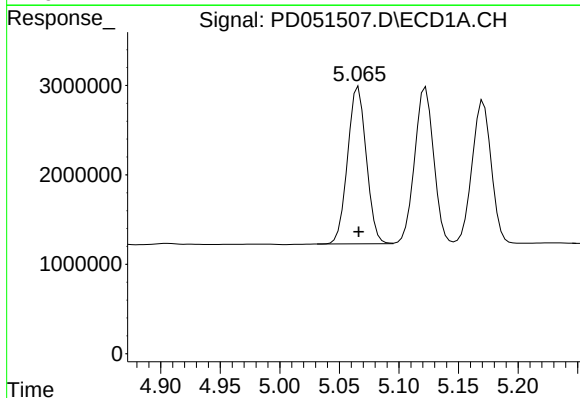
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:49:41 AM



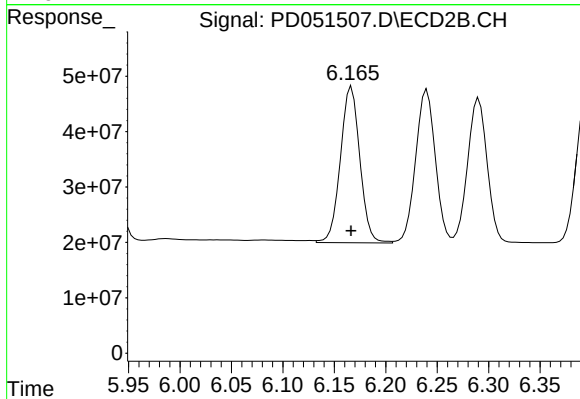
#9 Endosulfan I

R.T.: 6.289 min  
Delta R.T.: 0.000 min  
Response: 344695881  
Conc: 11.63 ng/ml m



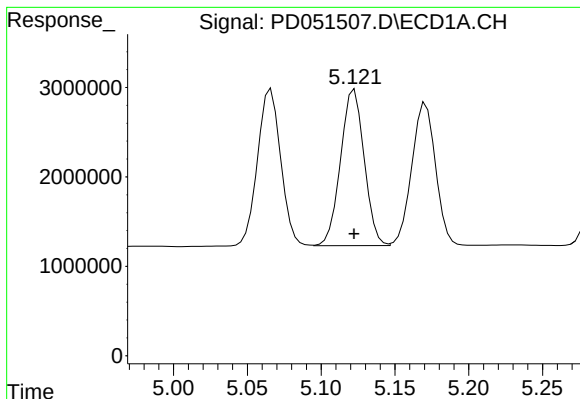
#10 gamma-Chlordane

R.T.: 5.066 min  
Delta R.T.: 0.000 min  
Response: 19223562  
Conc: 9.49 ng/ml



#10 gamma-Chlordane

R.T.: 6.167 min  
Delta R.T.: 0.000 min  
Response: 370592474  
Conc: 11.59 ng/ml



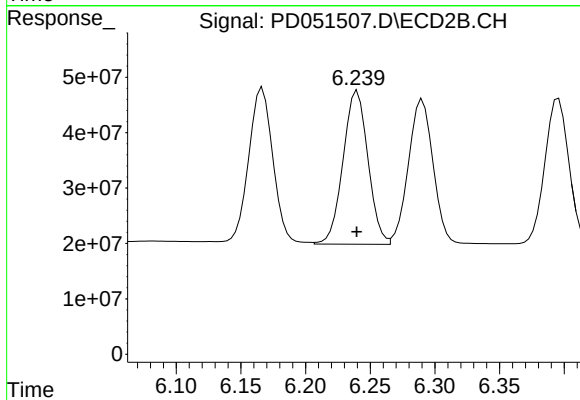
#11 alpha-Chlordane

R.T.: 5.123 min  
Delta R.T.: 0.000 min  
Response: 19454610  
Conc: 9.68 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019

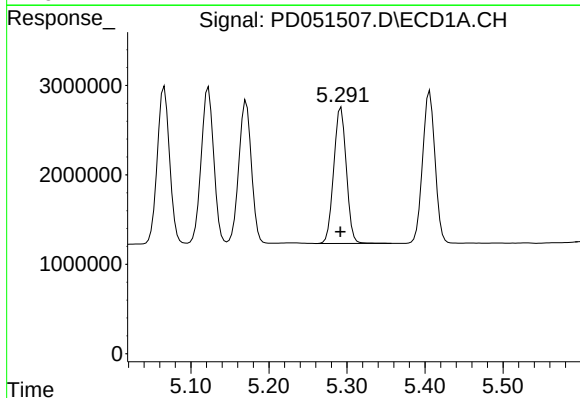
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:49:41 AM



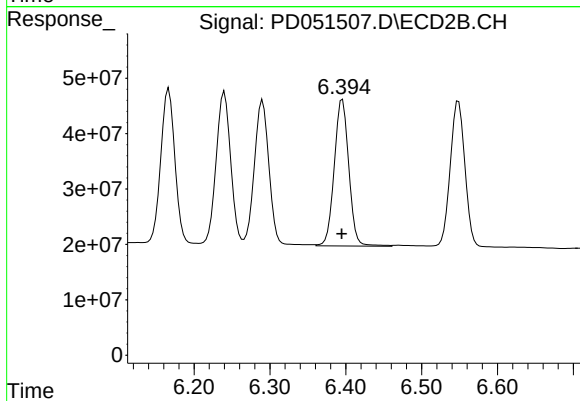
#11 alpha-Chlordane

R.T.: 6.240 min  
Delta R.T.: 0.000 min  
Response: 370086193  
Conc: 11.68 ng/ml



#12 4,4'-DDE

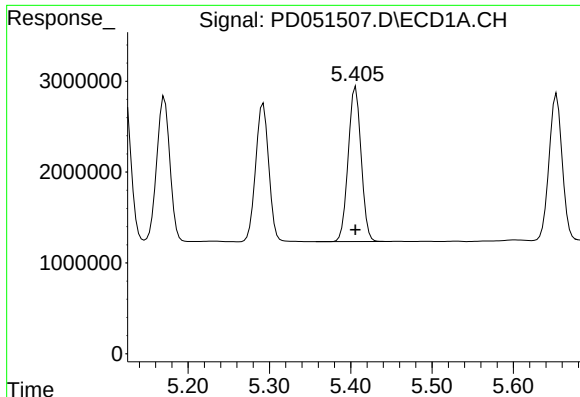
R.T.: 5.292 min  
Delta R.T.: 0.000 min  
Response: 17018560  
Conc: 9.08 ng/ml



#12 4,4'-DDE

R.T.: 6.396 min  
Delta R.T.: 0.001 min  
Response: 352924203  
Conc: 11.41 ng/ml





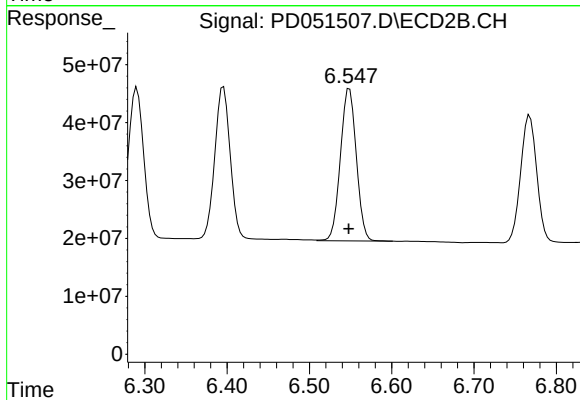
#13 Dieldrin

R.T.: 5.406 min  
Delta R.T.: 0.000 min  
Response: 18761238  
Conc: 9.33 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019

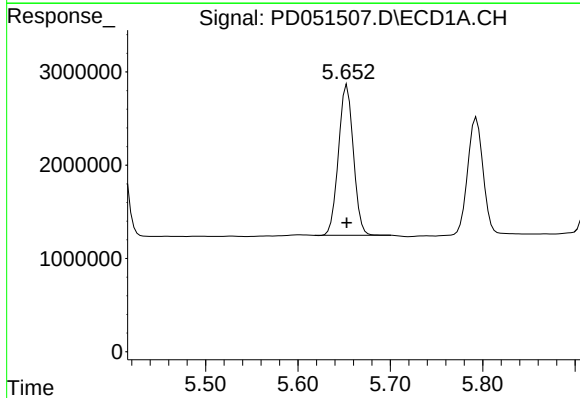
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:49:41 AM



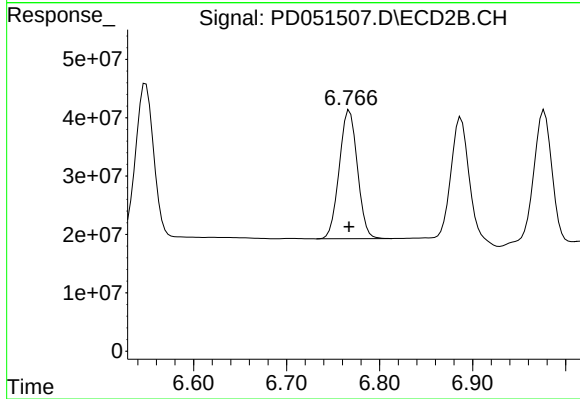
#13 Dieldrin

R.T.: 6.549 min  
Delta R.T.: 0.001 min  
Response: 353087249  
Conc: 11.44 ng/ml



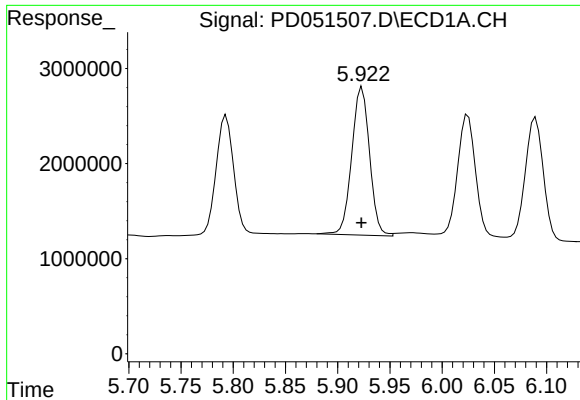
#14 Endrin

R.T.: 5.653 min  
Delta R.T.: 0.000 min  
Response: 18105904  
Conc: 9.45 ng/ml



#14 Endrin

R.T.: 6.768 min  
Delta R.T.: 0.000 min  
Response: 298415875  
Conc: 11.43 ng/ml



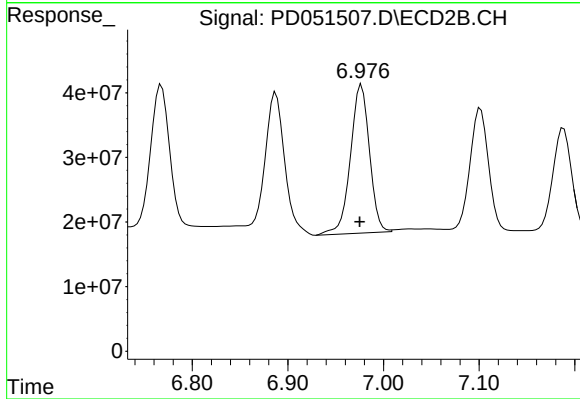
#15 Endosulfan II

R.T.: 5.923 min  
Delta R.T.: 0.000 min  
Response: 18476373  
Conc: 10.25 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019

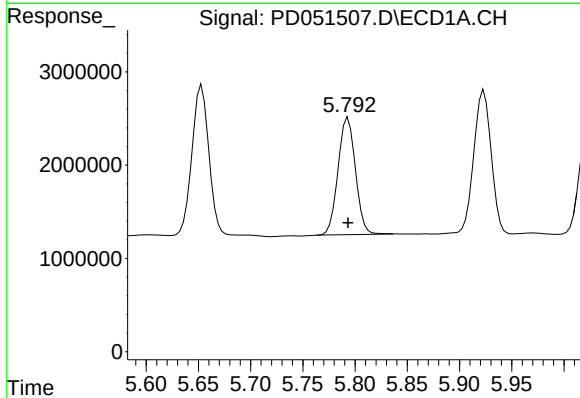
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:49:41 AM



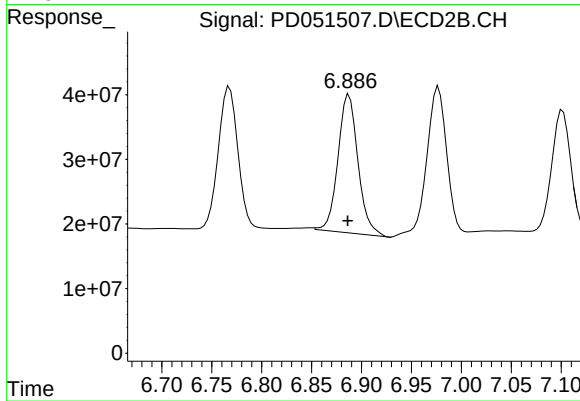
#15 Endosulfan II

R.T.: 6.977 min  
Delta R.T.: 0.002 min  
Response: 318567440  
Conc: 12.37 ng/ml



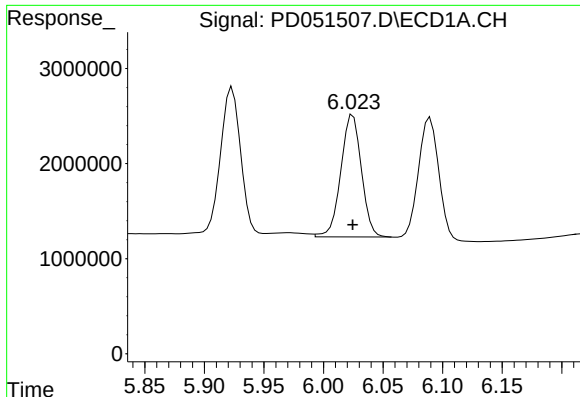
#16 4,4'-DDD

R.T.: 5.792 min  
Delta R.T.: -0.001 min  
Response: 14550555  
Conc: 9.24 ng/ml m



#16 4,4'-DDD

R.T.: 6.888 min  
Delta R.T.: 0.001 min  
Response: 299073178  
Conc: 12.18 ng/ml



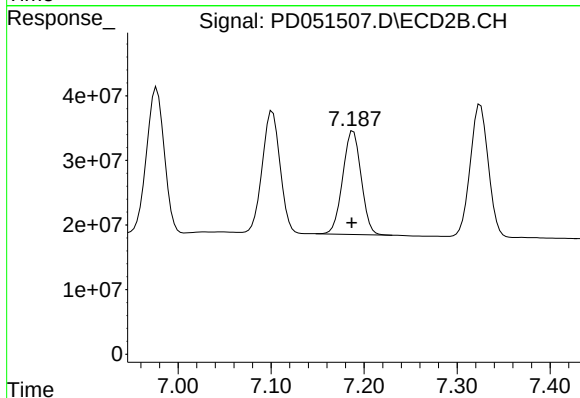
#17 4,4'-DDT

R.T.: 6.023 min  
Delta R.T.: -0.001 min  
Response: 15460511  
Conc: 9.68 ng/ml m

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019

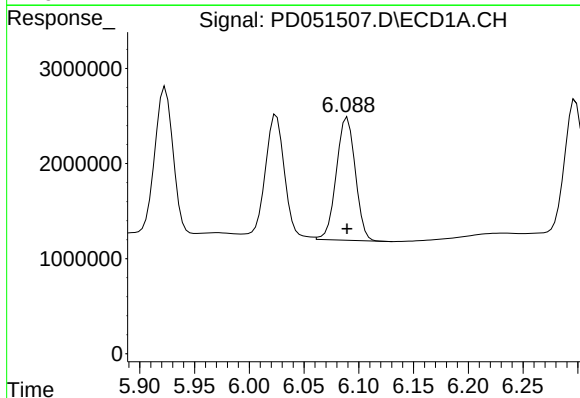
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:49:41 AM



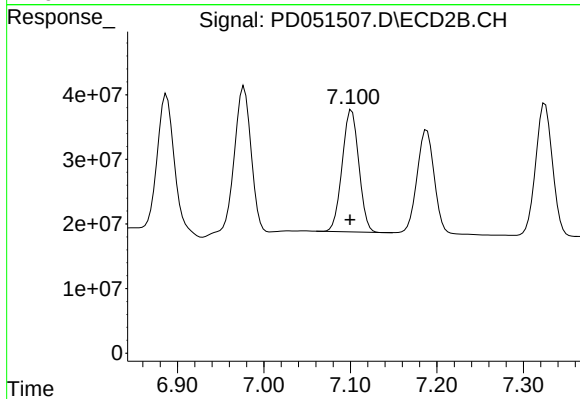
#17 4,4'-DDT

R.T.: 7.188 min  
Delta R.T.: 0.002 min  
Response: 220404016  
Conc: 10.88 ng/ml



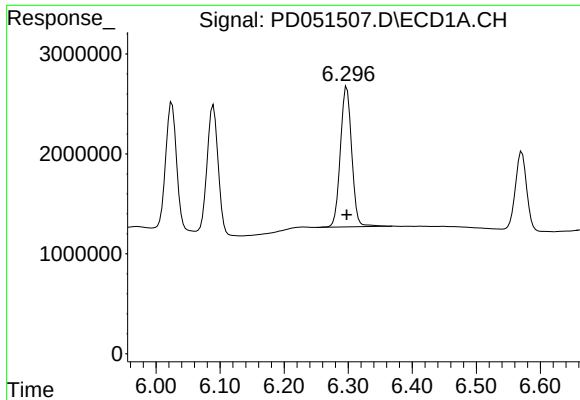
#18 Endrin aldehyde

R.T.: 6.090 min  
Delta R.T.: 0.000 min  
Response: 15534023  
Conc: 10.50 ng/ml



#18 Endrin aldehyde

R.T.: 7.101 min  
Delta R.T.: 0.002 min  
Response: 251063705  
Conc: 11.71 ng/ml



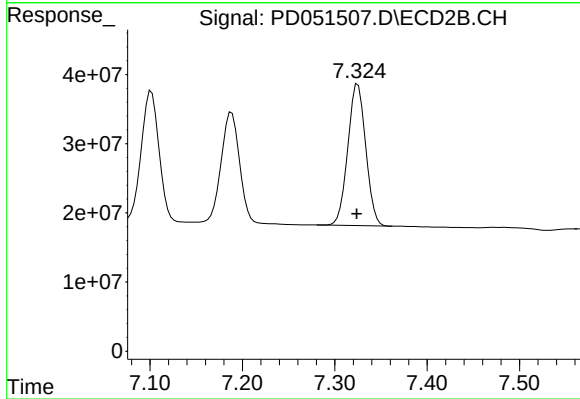
#19 Endosulfan Sulfate

R.T.: 6.298 min  
Delta R.T.: 0.000 min  
Response: 17255993  
Conc: 10.44 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019

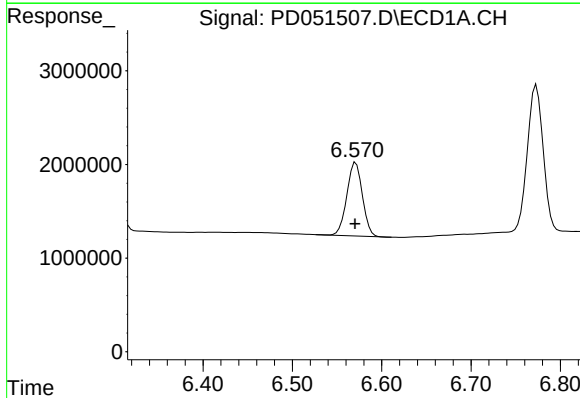
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:49:41 AM



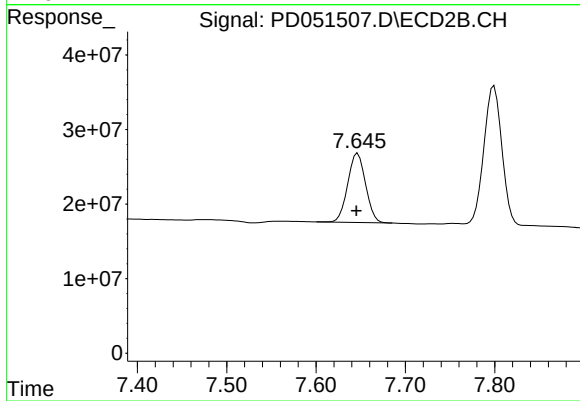
#19 Endosulfan Sulfate

R.T.: 7.325 min  
Delta R.T.: 0.001 min  
Response: 276401480  
Conc: 11.79 ng/ml



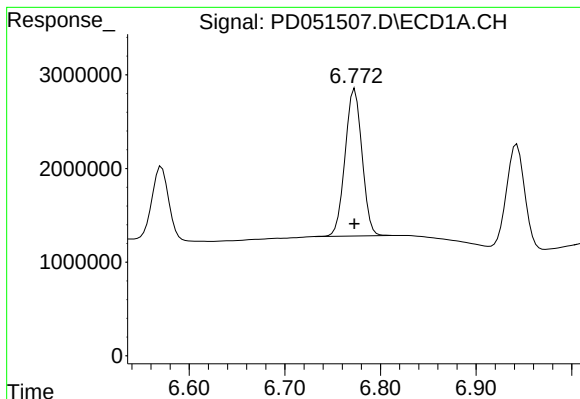
#20 Methoxychlor

R.T.: 6.571 min  
Delta R.T.: 0.001 min  
Response: 9497885  
Conc: 10.69 ng/ml



#20 Methoxychlor

R.T.: 7.647 min  
Delta R.T.: 0.002 min  
Response: 129075564  
Conc: 11.73 ng/ml



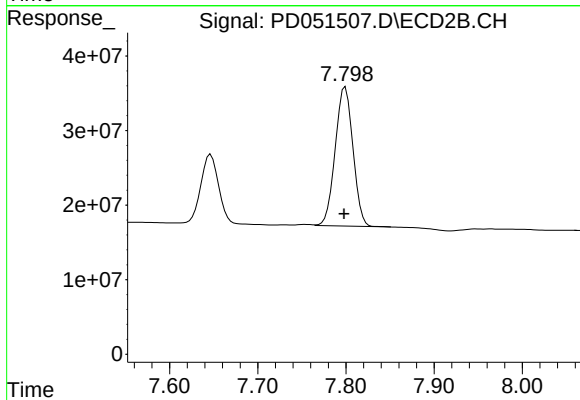
#21 Endrin ketone

R.T.: 6.773 min  
Delta R.T.: 0.000 min  
Response: 19412326  
Conc: 10.49 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019

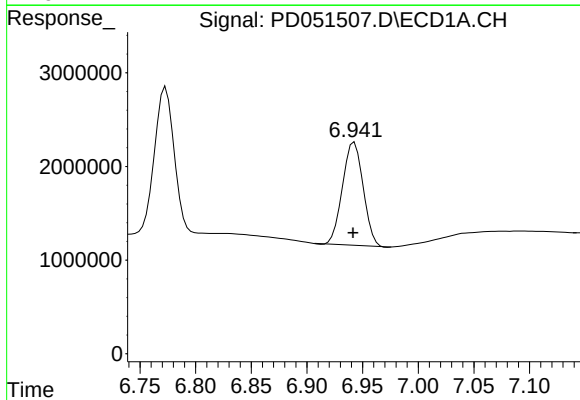
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:49:41 AM



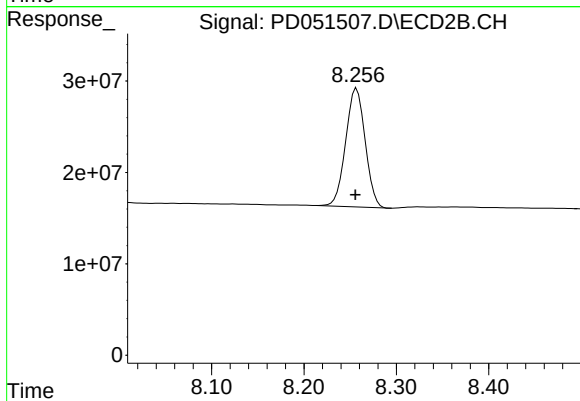
#21 Endrin ketone

R.T.: 7.799 min  
Delta R.T.: 0.002 min  
Response: 260756545  
Conc: 11.54 ng/ml



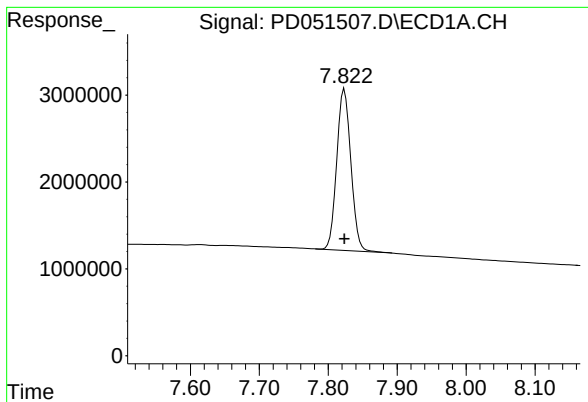
#22 Mirex

R.T.: 6.943 min  
Delta R.T.: 0.001 min  
Response: 14157096  
Conc: 11.25 ng/ml



#22 Mirex

R.T.: 8.257 min  
Delta R.T.: 0.001 min  
Response: 190013620  
Conc: 12.28 ng/ml



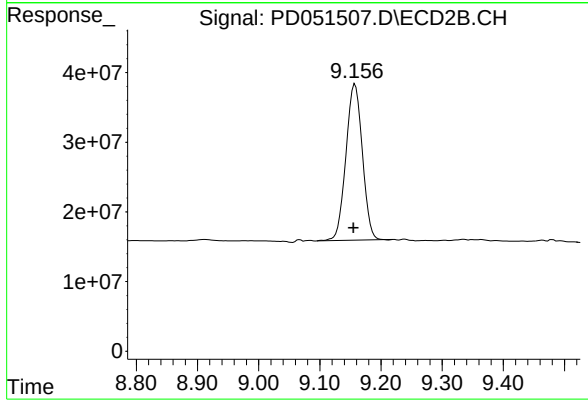
#28 Decachlorobiphenyl

R.T.: 7.823 min  
Delta R.T.: 0.000 min  
Response: 26455984  
Conc: 23.27 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019

Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:49:41 AM



#28 Decachlorobiphenyl

R.T.: 9.158 min  
Delta R.T.: 0.002 min  
Response: 418897287  
Conc: 22.93 ng/ml