

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD030219\  
 Data File : PD051543.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 02 Mar 2019 10:09  
 Operator : AJ\SJ  
 Sample : K1675-33MS  
 Misc :  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 Z-3-13-BMS

Manual Integrations  
 APPROVED

Sohil  
 3/4/2019 11:51:09 AM

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 04 01:21:43 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 | 26375462 | 659.5E6  | 19.892 | 22.998  |
| 28)                         | SA Decachlor... | 7.825 | 9.158 | 23227371 | 359.8E6  | 20.434 | 19.696  |
| Target Compounds            |                 |       |       |          |          |        |         |
| 2)                          | A alpha-BHC     | 3.644 | 4.435 | 115.2E6  | 2231.5E6 | 52.498 | 51.146m |
| 3)                          | MA gamma-BHC... | 3.912 | 4.722 | 113.0E6  | 2026.3E6 | 54.070 | 51.160m |
| 4)                          | MA Heptachlor   | 4.190 | 5.237 | 116.7E6  | 1942.6E6 | 54.400 | 50.654  |
| 5)                          | MB Aldrin       | 4.422 | 5.545 | 111.8E6  | 1835.0E6 | 54.929 | 51.232  |
| 6)                          | B beta-BHC      | 4.158 | 4.892 | 45999879 | 865.5E6  | 52.244 | 48.153m |
| 7)                          | B delta-BHC     | 4.347 | 5.113 | 111.0E6  | 1758.7E6 | 54.717 | 51.175  |
| 8)                          | B Heptachlo...  | 4.850 | 5.932 | 107.2E6  | 1613.2E6 | 54.549 | 50.310  |
| 9)                          | A Endosulfan I  | 5.172 | 6.291 | 102.0E6  | 1529.7E6 | 55.047 | 51.598  |
| 10)                         | B gamma-Chl...  | 5.067 | 6.167 | 111.3E6  | 1672.0E6 | 54.918 | 52.283  |
| 11)                         | B alpha-Chl...  | 5.123 | 6.240 | 110.3E6  | 1633.7E6 | 54.859 | 51.546  |
| 12)                         | B 4,4'-DDE      | 5.293 | 6.396 | 104.3E6  | 1561.7E6 | 55.702 | 50.493  |
| 13)                         | MA Dieldrin     | 5.406 | 6.549 | 112.4E6  | 1593.0E6 | 55.889 | 51.627  |
| 14)                         | MA Endrin       | 5.654 | 6.768 | 106.1E6  | 1352.0E6 | 55.401 | 51.777  |
| 15)                         | B Endosulfa...  | 5.924 | 6.977 | 98564517 | 1325.5E6 | 54.693 | 51.459  |
| 16)                         | A 4,4'-DDD      | 5.794 | 6.888 | 83445025 | 1250.0E6 | 53.000 | 50.894  |
| 17)                         | MA 4,4'-DDT     | 6.025 | 7.188 | 92004176 | 1143.2E6 | 57.586 | 56.433  |
| 18)                         | B Endrin al...  | 6.091 | 7.101 | 78487740 | 1095.5E6 | 53.061 | 51.096  |
| 19)                         | B Endosulfa...  | 6.299 | 7.325 | 84672207 | 1178.0E6 | 51.213 | 50.256  |
| 20)                         | A Methoxychlor  | 6.571 | 7.647 | 48557530 | 588.2E6  | 54.678 | 53.436  |
| 21)                         | B Endrin ke...  | 6.774 | 7.799 | 101.5E6  | 1179.5E6 | 54.853 | 52.209  |
| 22)                         | Mirex           | 6.943 | 8.257 | 68739199 | 776.7E6  | 54.644 | 50.189  |
| -----                       |                 |       |       |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD030219\  
Data File : PD051543.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 02 Mar 2019 10:09  
Operator : AJ\SJ  
Sample : K1675-33MS  
Misc :  
ALS Vial : 50 Sample Multiplier: 1

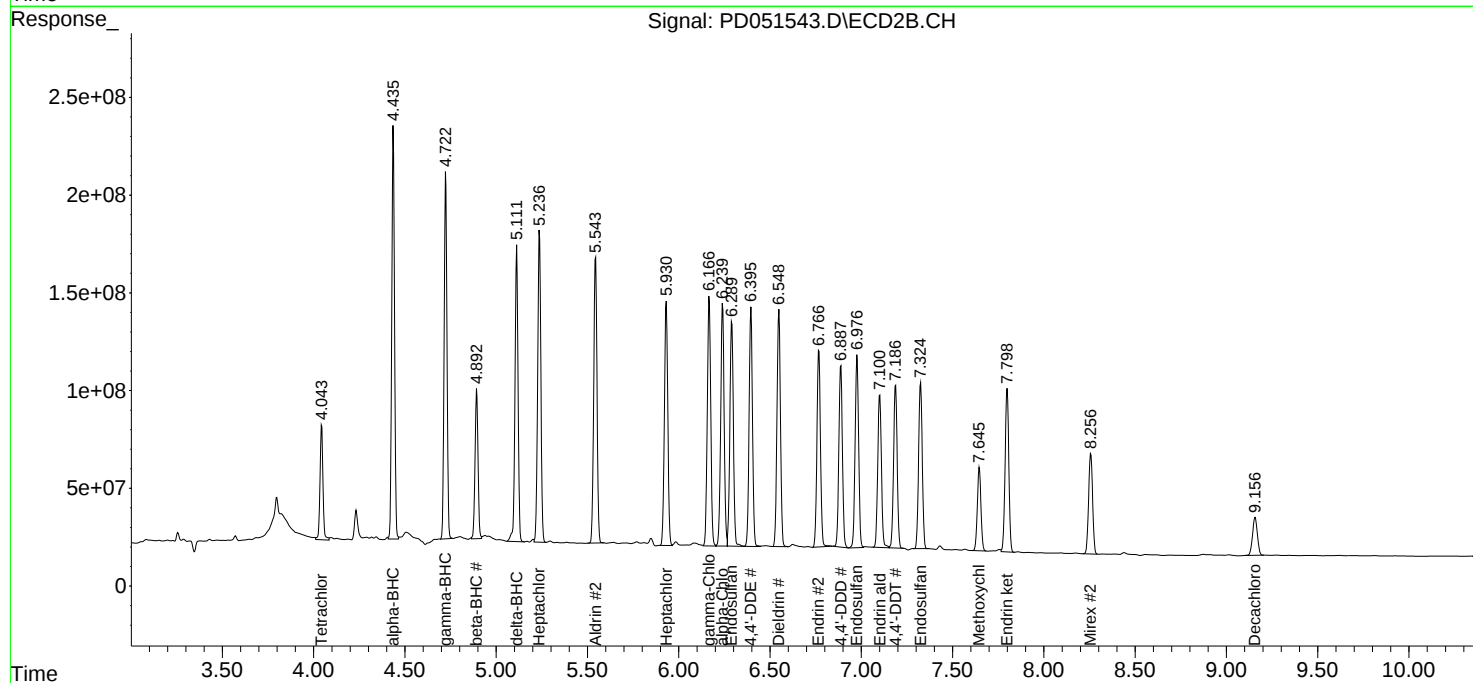
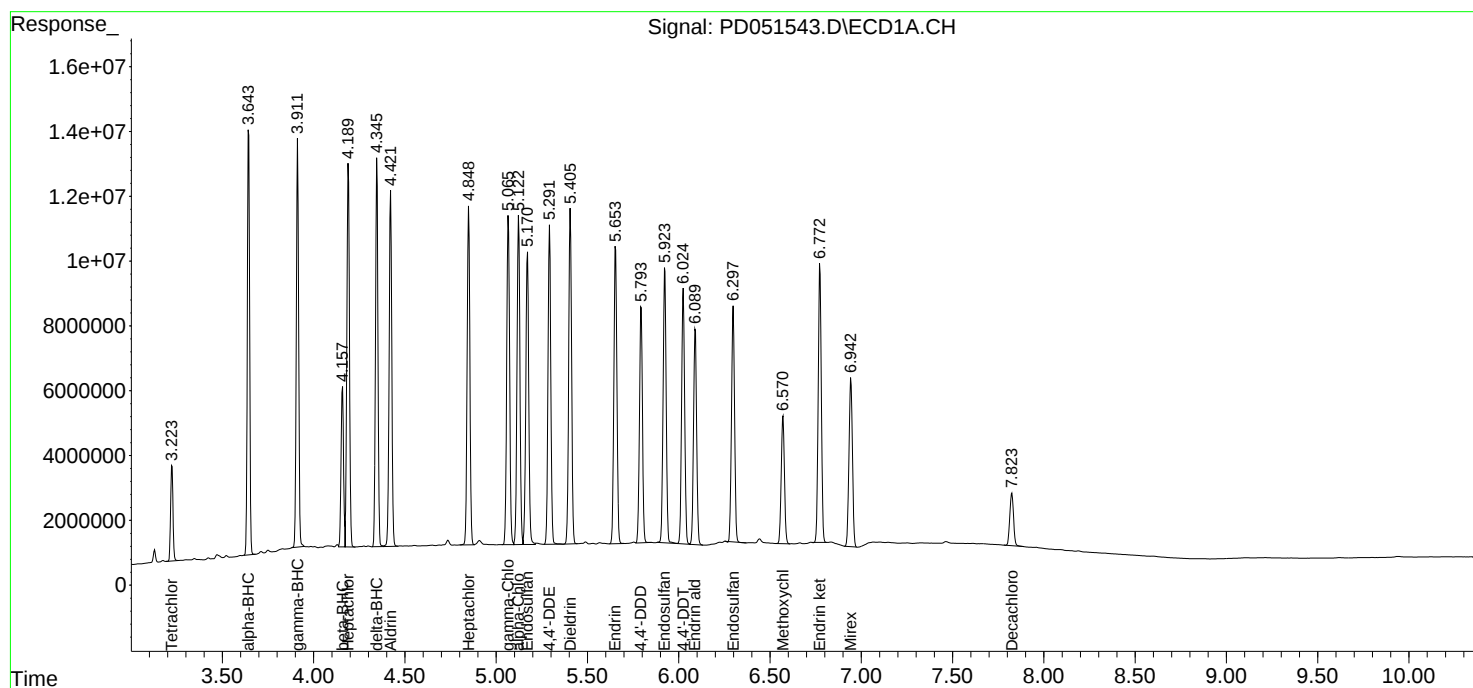
Instrument :  
ECD\_D  
ClientSampled :  
Z-3-13-BMS

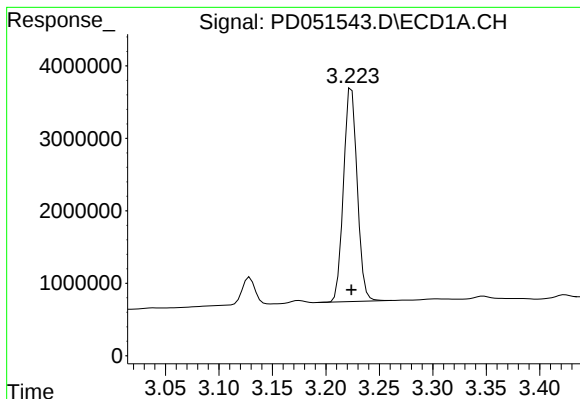
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:51:09 AM

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 04 01:21:43 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





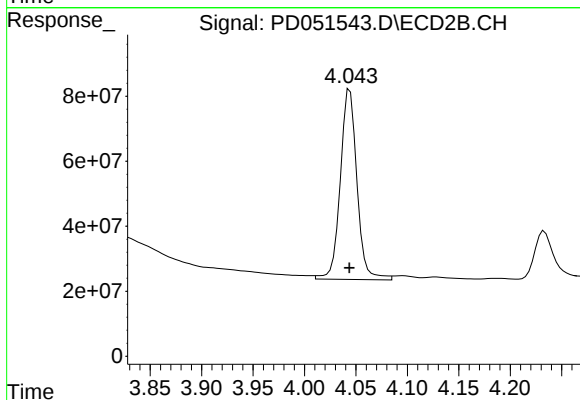
#1 Tetrachloro-m-xylene

R.T.: 3.224 min  
Delta R.T.: 0.000 min  
Response: 26375462  
Conc: 19.89 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
Z-3-13-BMS

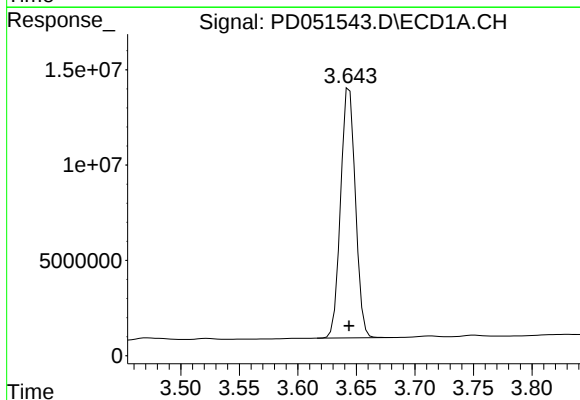
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:51:09 AM



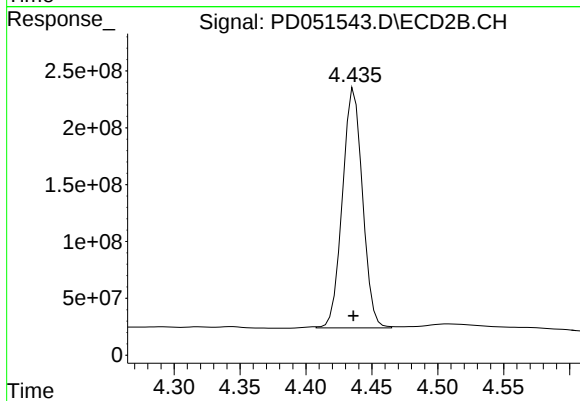
#1 Tetrachloro-m-xylene

R.T.: 4.044 min  
Delta R.T.: 0.000 min  
Response: 659516630  
Conc: 23.00 ng/ml



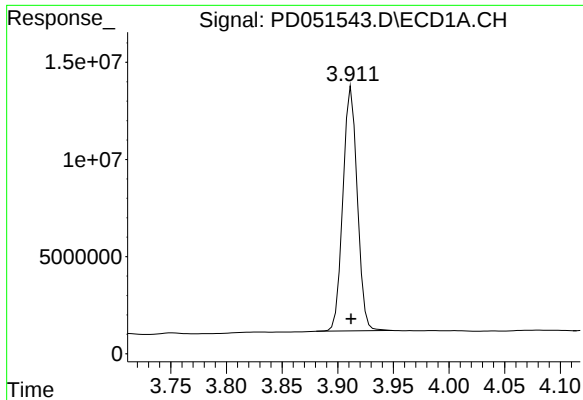
#2 alpha-BHC

R.T.: 3.644 min  
Delta R.T.: 0.000 min  
Response: 115243243  
Conc: 52.50 ng/ml



#2 alpha-BHC

R.T.: 4.435 min  
Delta R.T.: 0.000 min  
Response: 2231530147  
Conc: 51.15 ng/ml m



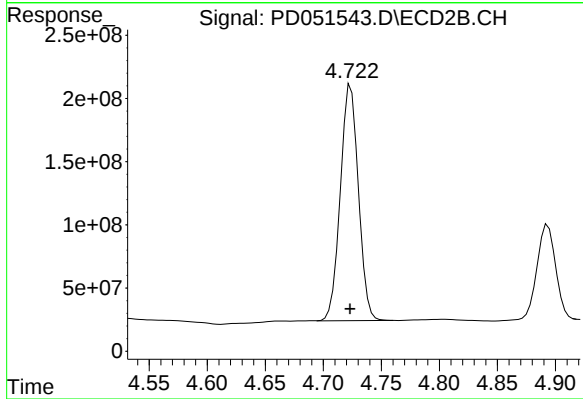
#3 gamma-BHC (Lindane)

R.T.: 3.912 min  
Delta R.T.: 0.000 min  
Response: 112966630  
Conc: 54.07 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
Z-3-13-BMS

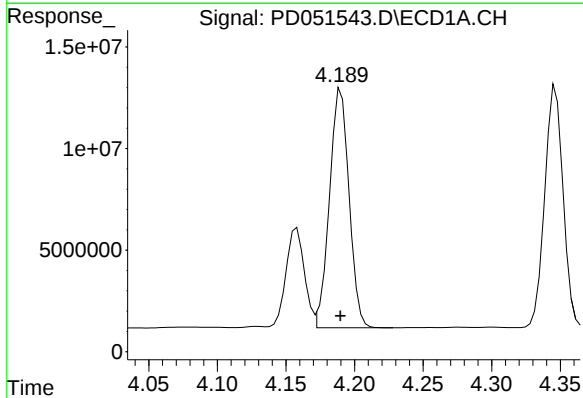
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:51:09 AM



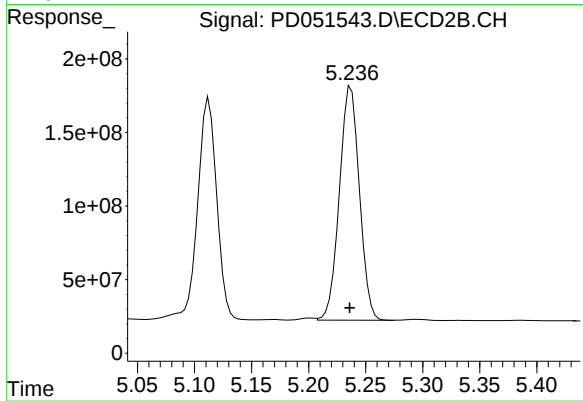
#3 gamma-BHC (Lindane)

R.T.: 4.722 min  
Delta R.T.: 0.000 min  
Response: 2026327992  
Conc: 51.16 ng/ml m



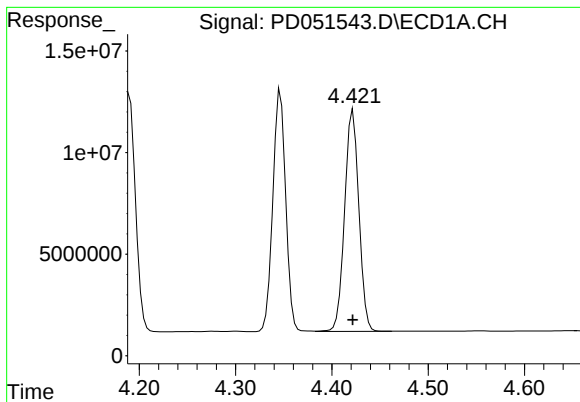
#4 Heptachlor

R.T.: 4.190 min  
Delta R.T.: 0.000 min  
Response: 116710346  
Conc: 54.40 ng/ml



#4 Heptachlor

R.T.: 5.237 min  
Delta R.T.: 0.000 min  
Response: 1942564827  
Conc: 50.65 ng/ml



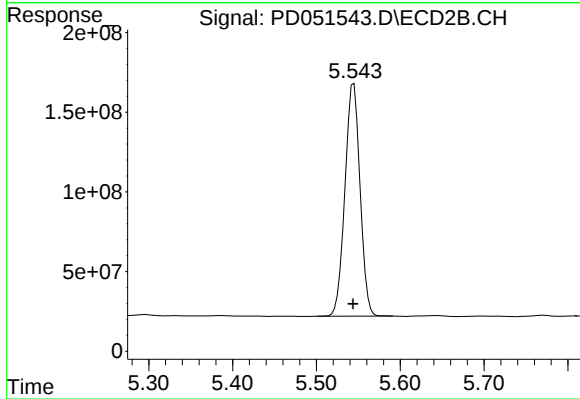
#5 Aldrin

R.T.: 4.422 min  
Delta R.T.: 0.000 min  
Response: 111816526  
Conc: 54.93 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
Z-3-13-BMS

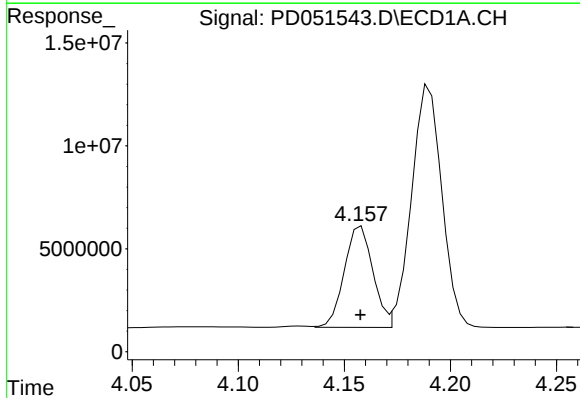
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:51:09 AM



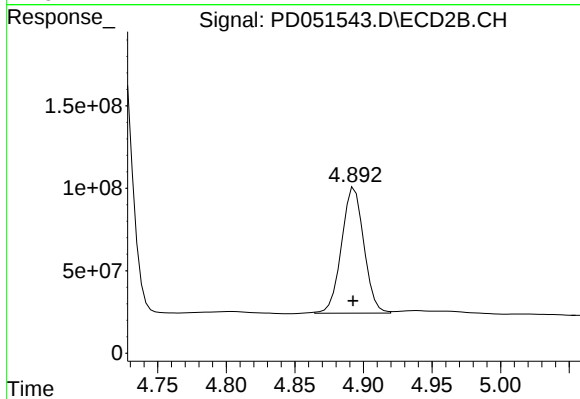
#5 Aldrin

R.T.: 5.545 min  
Delta R.T.: 0.000 min  
Response: 1835007043  
Conc: 51.23 ng/ml



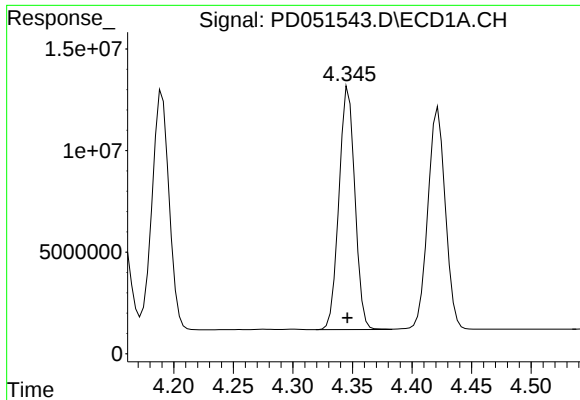
#6 beta-BHC

R.T.: 4.158 min  
Delta R.T.: 0.000 min  
Response: 45999879  
Conc: 52.24 ng/ml



#6 beta-BHC

R.T.: 4.892 min  
Delta R.T.: 0.000 min  
Response: 865470356  
Conc: 48.15 ng/ml m



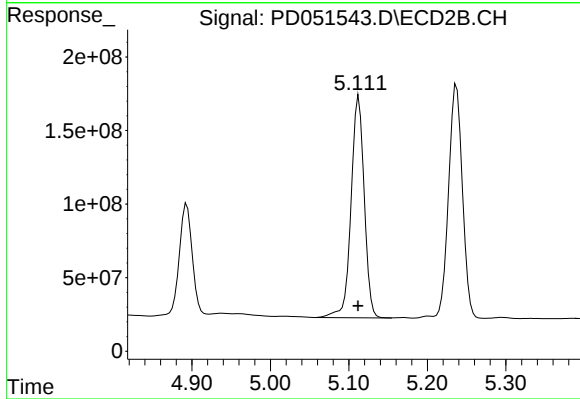
#7 delta-BHC

R.T.: 4.347 min  
Delta R.T.: 0.000 min  
Response: 110956909  
Conc: 54.72 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
Z-3-13-BMS

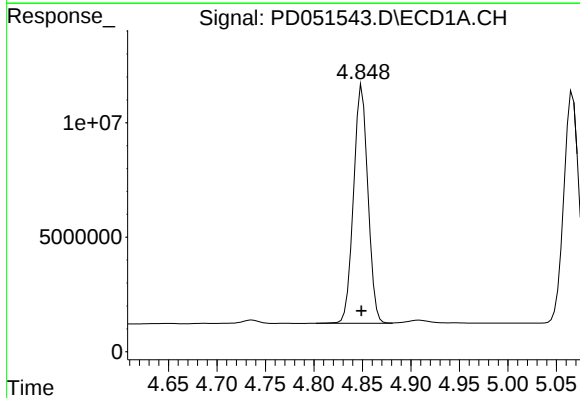
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:51:09 AM



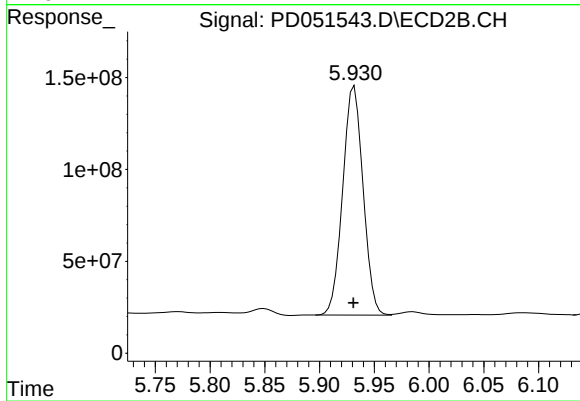
#7 delta-BHC

R.T.: 5.113 min  
Delta R.T.: 0.000 min  
Response: 1758676449  
Conc: 51.17 ng/ml



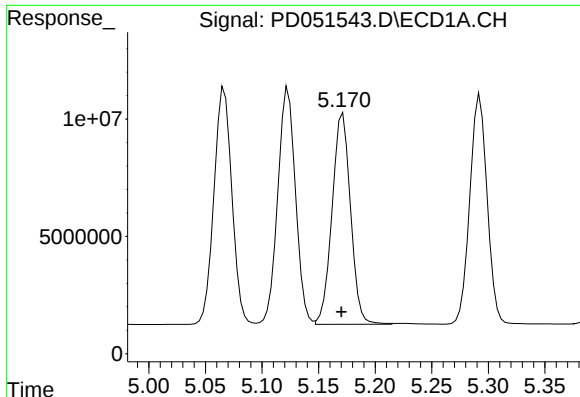
#8 Heptachlor epoxide

R.T.: 4.850 min  
Delta R.T.: 0.000 min  
Response: 107244932  
Conc: 54.55 ng/ml



#8 Heptachlor epoxide

R.T.: 5.932 min  
Delta R.T.: 0.000 min  
Response: 1613204499  
Conc: 50.31 ng/ml



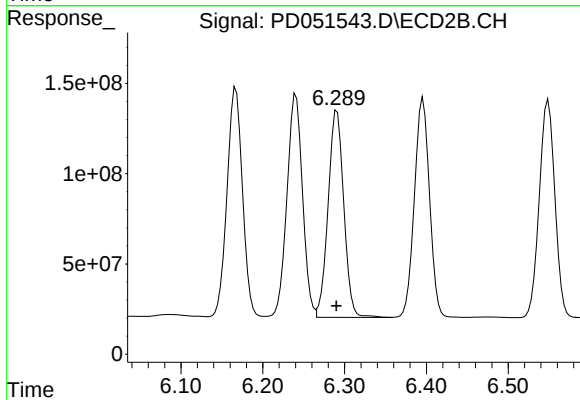
#9 Endosulfan I

R.T.: 5.172 min  
Delta R.T.: 0.001 min  
Response: 102015694  
Conc: 55.05 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
Z-3-13-BMS

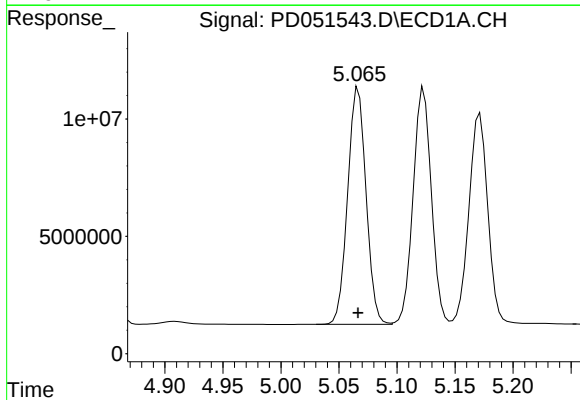
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:51:09 AM



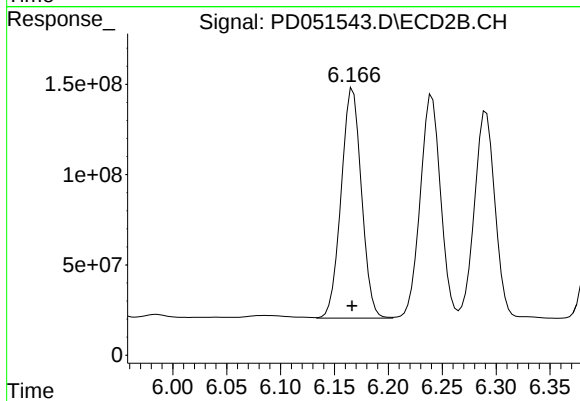
#9 Endosulfan I

R.T.: 6.291 min  
Delta R.T.: 0.000 min  
Response: 1529658595  
Conc: 51.60 ng/ml



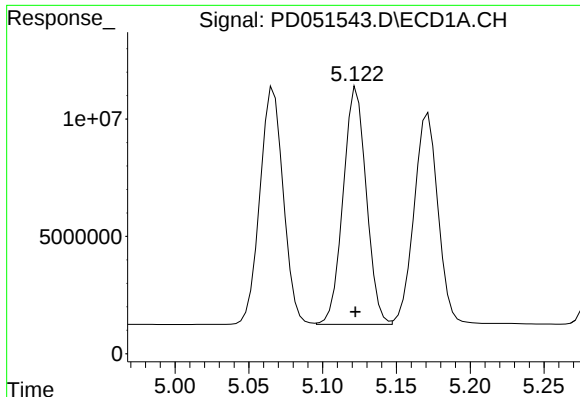
#10 gamma-Chlordane

R.T.: 5.067 min  
Delta R.T.: 0.000 min  
Response: 111283736  
Conc: 54.92 ng/ml



#10 gamma-Chlordane

R.T.: 6.167 min  
Delta R.T.: 0.000 min  
Response: 1671988566  
Conc: 52.28 ng/ml



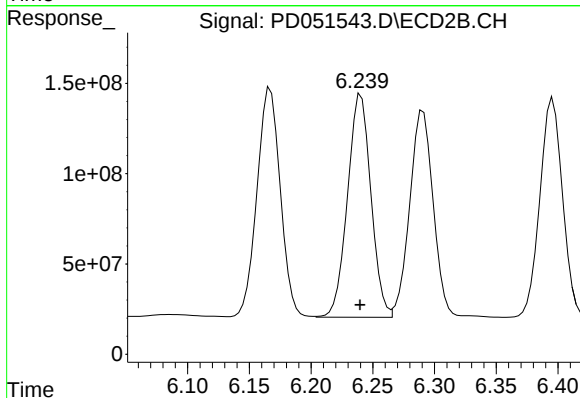
#11 alpha-Chlordane

R.T.: 5.123 min  
Delta R.T.: 0.000 min  
Response: 110254737  
Conc: 54.86 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
Z-3-13-BMS

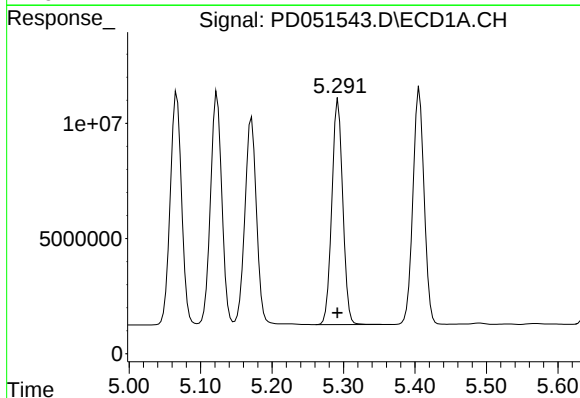
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:51:09 AM



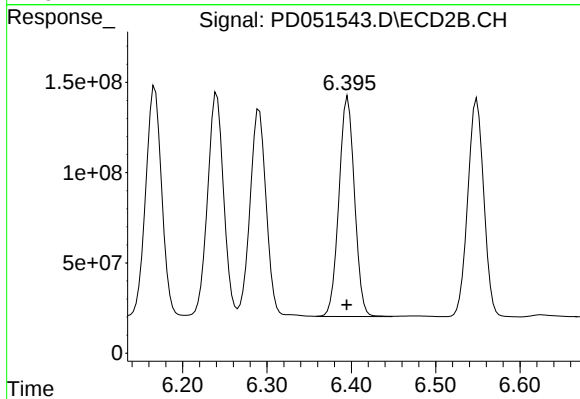
#11 alpha-Chlordane

R.T.: 6.240 min  
Delta R.T.: 0.000 min  
Response: 1633679151  
Conc: 51.55 ng/ml



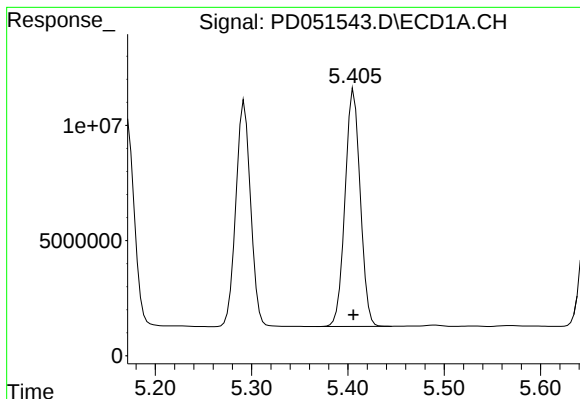
#12 4,4'-DDE

R.T.: 5.293 min  
Delta R.T.: 0.000 min  
Response: 104348362  
Conc: 55.70 ng/ml



#12 4,4'-DDE

R.T.: 6.396 min  
Delta R.T.: 0.001 min  
Response: 1561717276  
Conc: 50.49 ng/ml



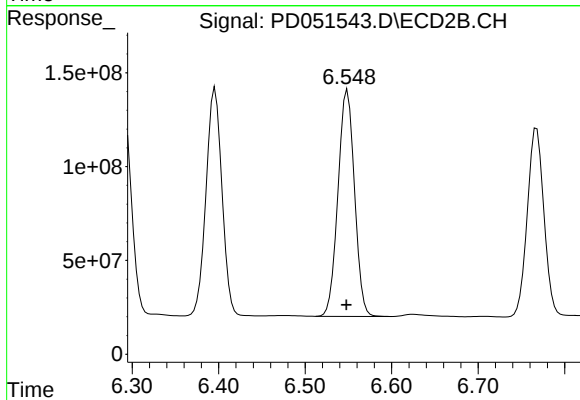
#13 Dieldrin

R.T.: 5.406 min  
Delta R.T.: 0.000 min  
Response: 112355763  
Conc: 55.89 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
Z-3-13-BMS

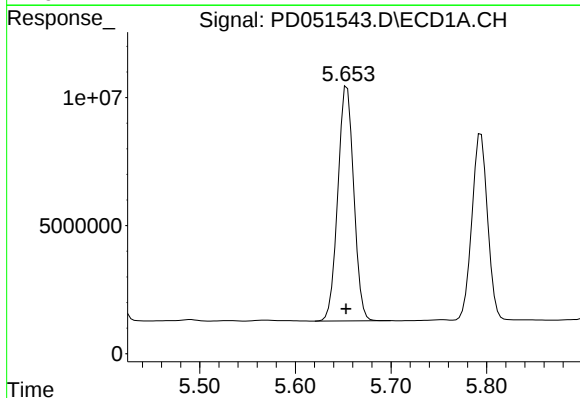
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:51:09 AM



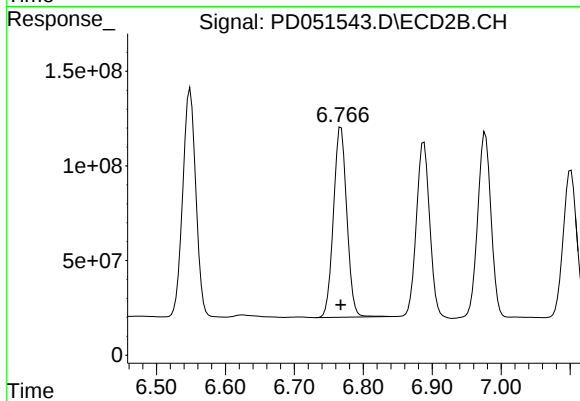
#13 Dieldrin

R.T.: 6.549 min  
Delta R.T.: 0.001 min  
Response: 1592989756  
Conc: 51.63 ng/ml



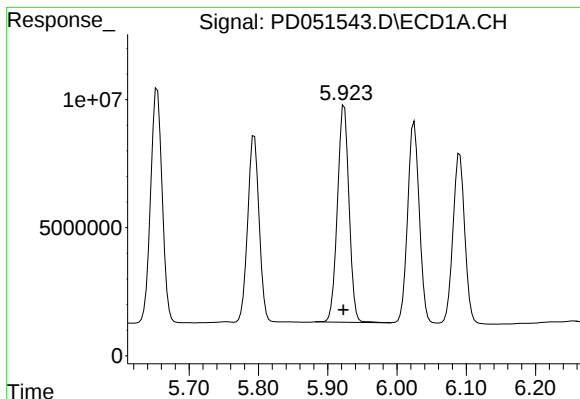
#14 Endrin

R.T.: 5.654 min  
Delta R.T.: 0.001 min  
Response: 106143779  
Conc: 55.40 ng/ml



#14 Endrin

R.T.: 6.768 min  
Delta R.T.: 0.000 min  
Response: 1351990816  
Conc: 51.78 ng/ml



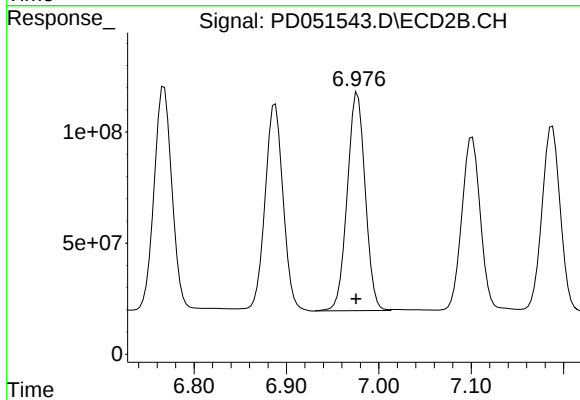
#15 Endosulfan II

R.T.: 5.924 min  
Delta R.T.: 0.001 min  
Response: 98564517  
Conc: 54.69 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
Z-3-13-BMS

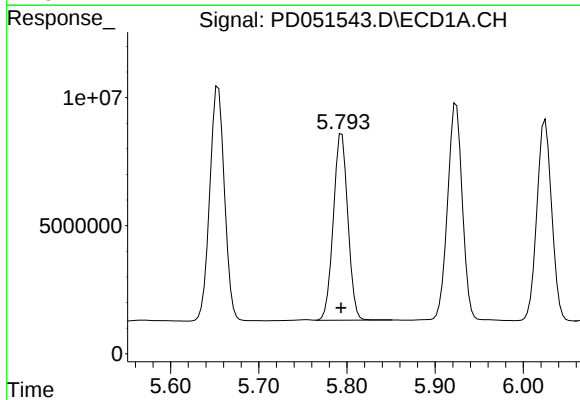
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:51:09 AM



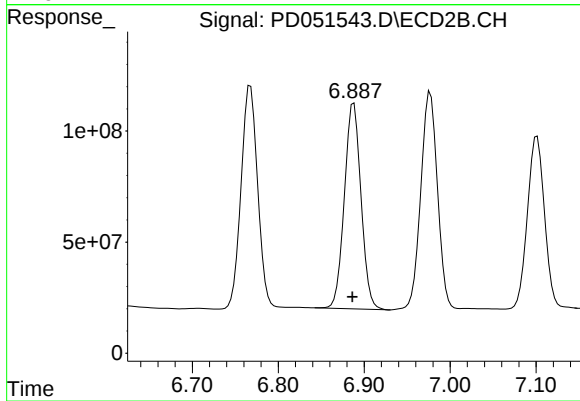
#15 Endosulfan II

R.T.: 6.977 min  
Delta R.T.: 0.002 min  
Response: 1325544521  
Conc: 51.46 ng/ml



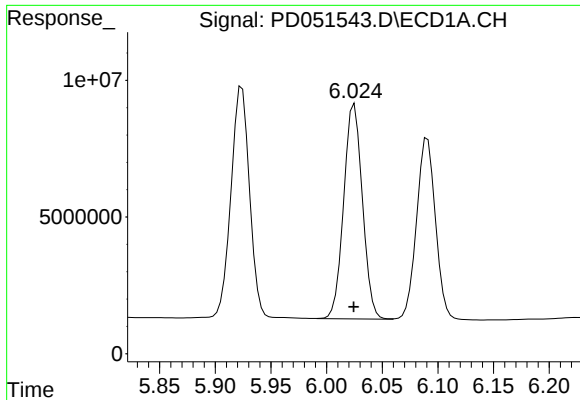
#16 4,4'-DDD

R.T.: 5.794 min  
Delta R.T.: 0.000 min  
Response: 83445025  
Conc: 53.00 ng/ml



#16 4,4'-DDD

R.T.: 6.888 min  
Delta R.T.: 0.002 min  
Response: 1250030728  
Conc: 50.89 ng/ml



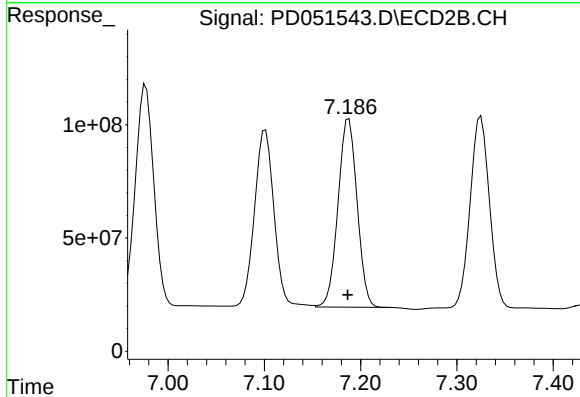
#17 4,4'-DDT

R.T.: 6.025 min  
Delta R.T.: 0.000 min  
Response: 92004176  
Conc: 57.59 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
Z-3-13-BMS

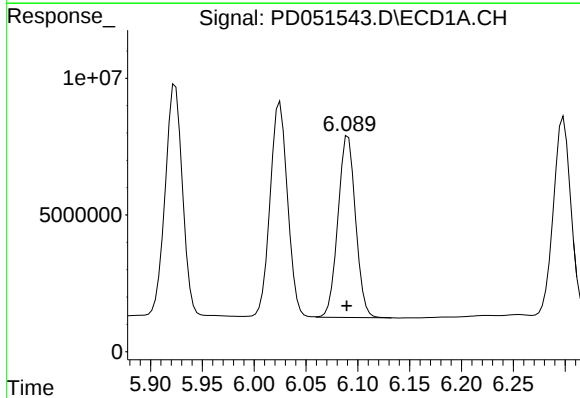
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:51:09 AM



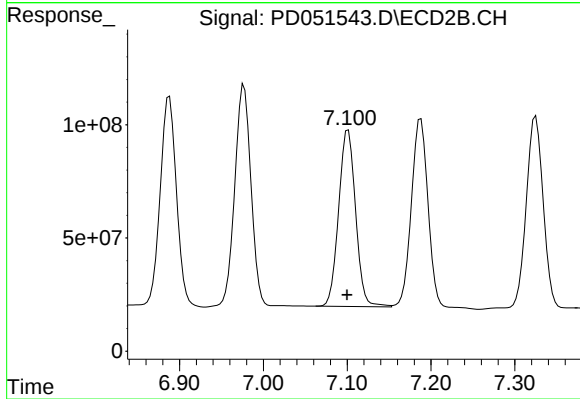
#17 4,4'-DDT

R.T.: 7.188 min  
Delta R.T.: 0.001 min  
Response: 1143159841  
Conc: 56.43 ng/ml



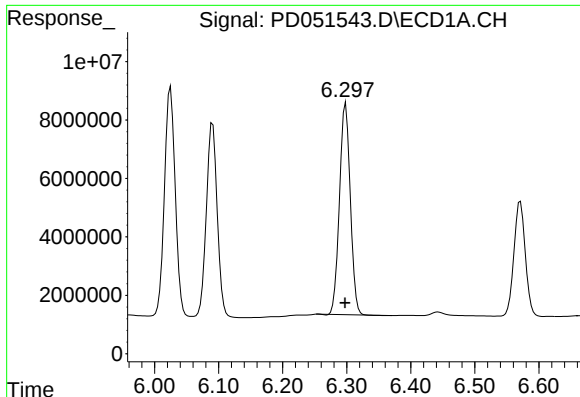
#18 Endrin aldehyde

R.T.: 6.091 min  
Delta R.T.: 0.001 min  
Response: 78487740  
Conc: 53.06 ng/ml



#18 Endrin aldehyde

R.T.: 7.101 min  
Delta R.T.: 0.001 min  
Response: 1095517325  
Conc: 51.10 ng/ml



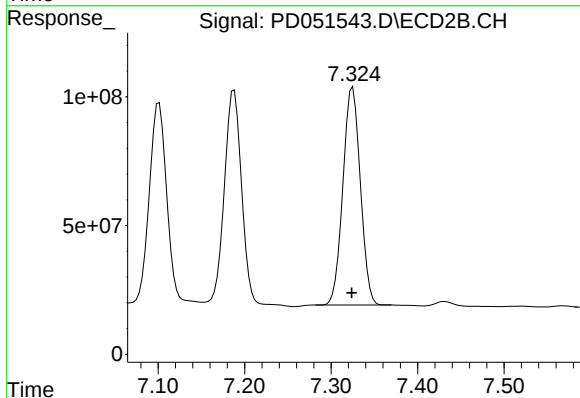
#19 Endosulfan Sulfate

R.T.: 6.299 min  
Delta R.T.: 0.000 min  
Response: 84672207  
Conc: 51.21 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
Z-3-13-BMS

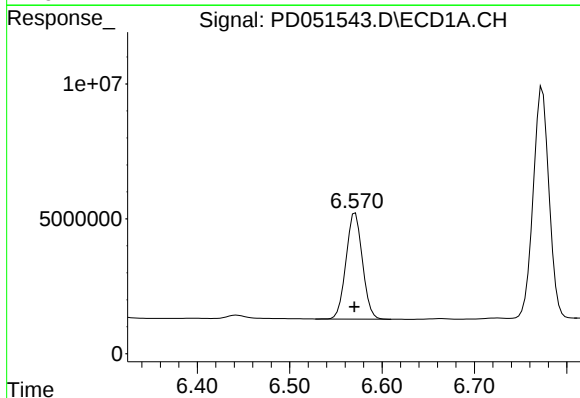
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:51:09 AM



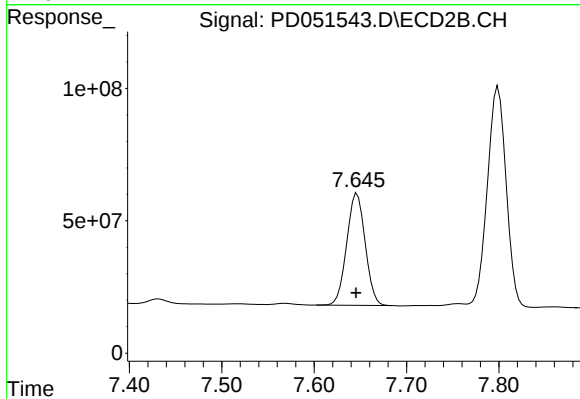
#19 Endosulfan Sulfate

R.T.: 7.325 min  
Delta R.T.: 0.001 min  
Response: 1178027147  
Conc: 50.26 ng/ml



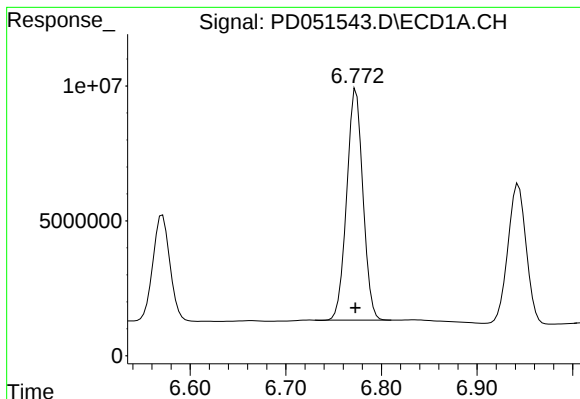
#20 Methoxychlor

R.T.: 6.571 min  
Delta R.T.: 0.001 min  
Response: 48557530  
Conc: 54.68 ng/ml



#20 Methoxychlor

R.T.: 7.647 min  
Delta R.T.: 0.001 min  
Response: 588166129  
Conc: 53.44 ng/ml



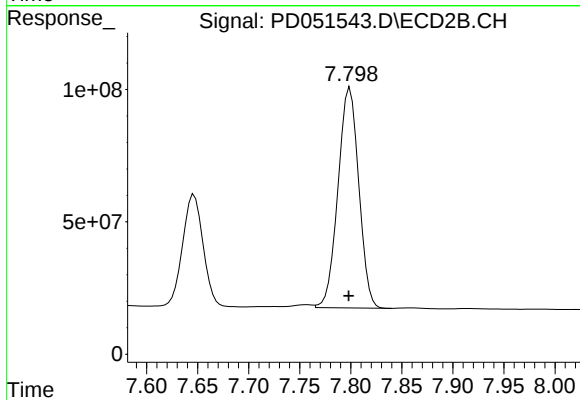
#21 Endrin ketone

R.T.: 6.774 min  
Delta R.T.: 0.000 min  
Response: 101539382  
Conc: 54.85 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
Z-3-13-BMS

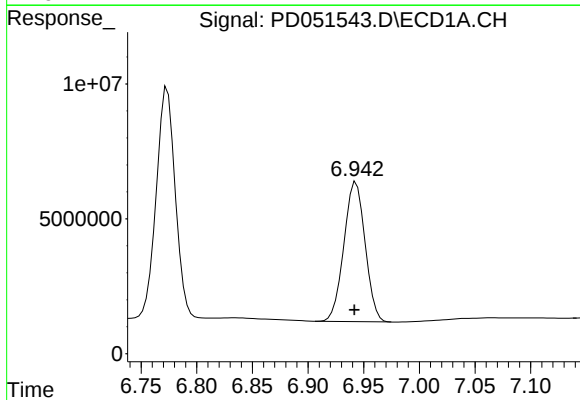
Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:51:09 AM



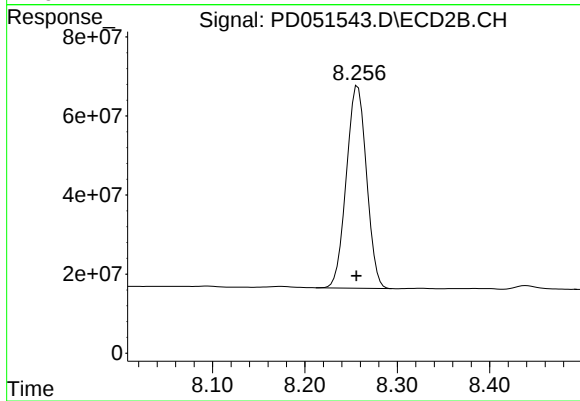
#21 Endrin ketone

R.T.: 7.799 min  
Delta R.T.: 0.001 min  
Response: 1179506800  
Conc: 52.21 ng/ml



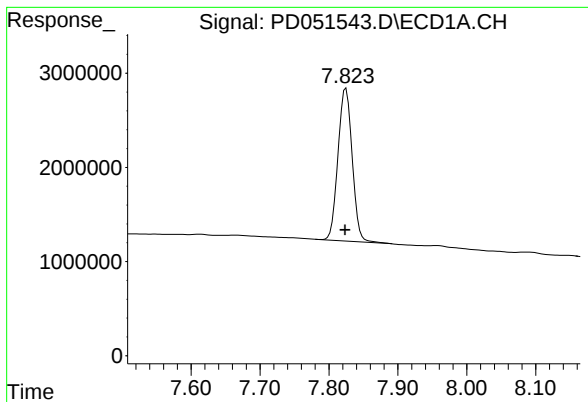
#22 Mirex

R.T.: 6.943 min  
Delta R.T.: 0.002 min  
Response: 68739199  
Conc: 54.64 ng/ml



#22 Mirex

R.T.: 8.257 min  
Delta R.T.: 0.001 min  
Response: 776659754  
Conc: 50.19 ng/ml



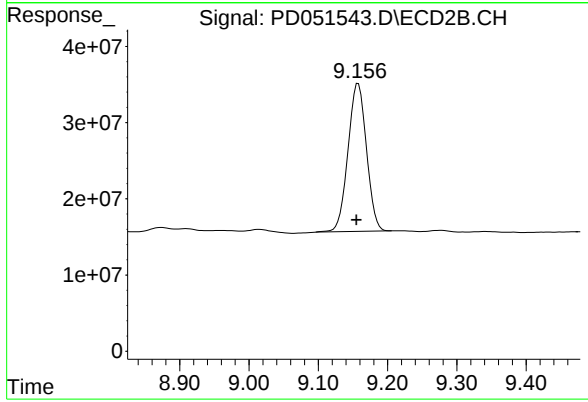
#28 Decachlorobiphenyl

R.T.: 7.825 min  
Delta R.T.: 0.001 min  
Response: 23227371  
Conc: 20.43 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
Z-3-13-BMS

Manual Integrations  
APPROVED

Sohil  
3/4/2019 11:51:09 AM



#28 Decachlorobiphenyl

R.T.: 9.158 min  
Delta R.T.: 0.003 min  
Response: 359782090  
Conc: 19.70 ng/ml