

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL050124\  
 Data File : PL089294.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 01 May 2024 10:03  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 05/02/2024  
 Supervised By :mohammad ahmed 05/02/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 01 22:32:05 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL042624.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Apr 26 19:27:30 2024  
 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... | 3.552 | 2.798 | 107.3E6  | 70511947 | 53.308  | 54.957 |
| 28)                         | SA Decachlor... | 9.067 | 7.949 | 68840348 | 64677754 | 49.206  | 48.081 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 2)                          | A alpha-BHC     | 4.007 | 3.303 | 152.6E6  | 107.1E6  | 53.511  | 56.770 |
| 3)                          | MA gamma-BHC... | 4.340 | 3.634 | 147.4E6  | 104.0E6  | 52.937  | 56.360 |
| 4)                          | MA Heptachlor   | 4.930 | 3.976 | 127.4E6  | 95310208 | 51.380  | 54.391 |
| 5)                          | MB Aldrin       | 5.272 | 4.257 | 133.5E6  | 99076078 | 51.973  | 56.044 |
| 6)                          | B beta-BHC      | 4.534 | 3.931 | 65450891 | 44600469 | 51.881  | 54.627 |
| 7)                          | B delta-BHC     | 4.783 | 4.163 | 140.2E6  | 102.0E6  | 52.870  | 56.679 |
| 8)                          | B Heptachlo...  | 5.697 | 4.760 | 121.3E6  | 88935113 | 51.735  | 55.008 |
| 9)                          | A Endosulfan I  | 6.082 | 5.131 | 110.7E6  | 81882519 | 51.483  | 54.673 |
| 10)                         | B gamma-Chl...  | 5.951 | 5.011 | 115.6E6  | 90432553 | 50.564m | 55.110 |
| 11)                         | B alpha-Chl...  | 6.032 | 5.075 | 117.5E6  | 90543462 | 51.637  | 54.902 |
| 12)                         | B 4,4'-DDE      | 6.204 | 5.264 | 102.9E6  | 81742486 | 50.858  | 56.220 |
| 13)                         | MA Dieldrin     | 6.357 | 5.396 | 114.0E6  | 88975084 | 50.934  | 55.308 |
| 14)                         | MA Endrin       | 6.587 | 5.671 | 93528567 | 75566827 | 49.373  | 52.562 |
| 15)                         | B Endosulfa...  | 6.805 | 5.964 | 97781532 | 77112121 | 48.993  | 53.613 |
| 16)                         | A 4,4'-DDD      | 6.720 | 5.818 | 87623328 | 70951983 | 51.940  | 57.533 |
| 17)                         | MA 4,4'-DDT     | 7.035 | 6.069 | 87421824 | 69087482 | 47.538  | 51.063 |
| 18)                         | B Endrin al...  | 6.935 | 6.144 | 76766817 | 59726666 | 50.762  | 53.696 |
| 19)                         | B Endosulfa...  | 7.169 | 6.366 | 90772377 | 74278182 | 50.182  | 53.546 |
| 20)                         | A Methoxychlor  | 7.508 | 6.645 | 47272107 | 38478350 | 48.070  | 48.123 |
| 21)                         | B Endrin ke...  | 7.654 | 6.873 | 102.8E6  | 85178838 | 51.346  | 53.270 |
| 22)                         | Mirex           | 8.128 | 7.056 | 77068608 | 67803626 | 49.590  | 49.701 |
| -----                       |                 |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL050124\  
Data File : PL089294.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 01 May 2024 10:03  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

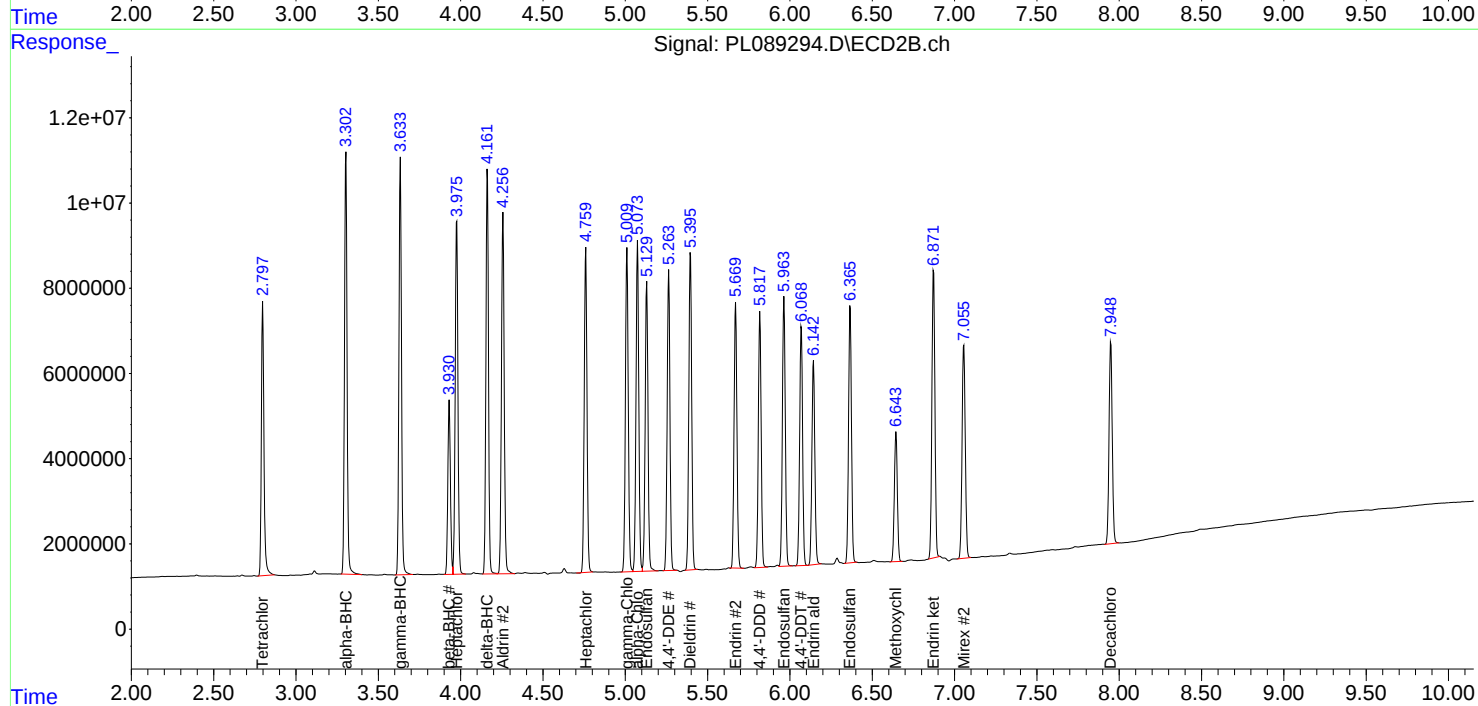
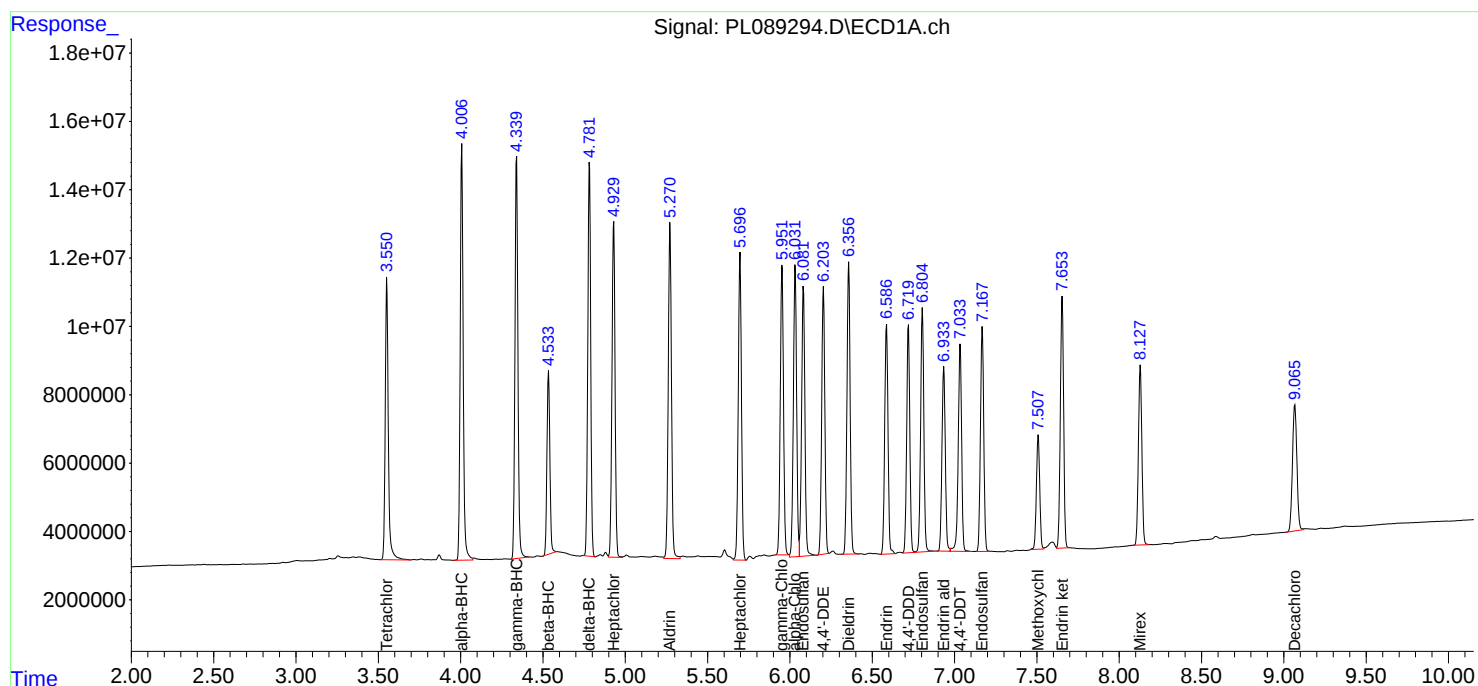
Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

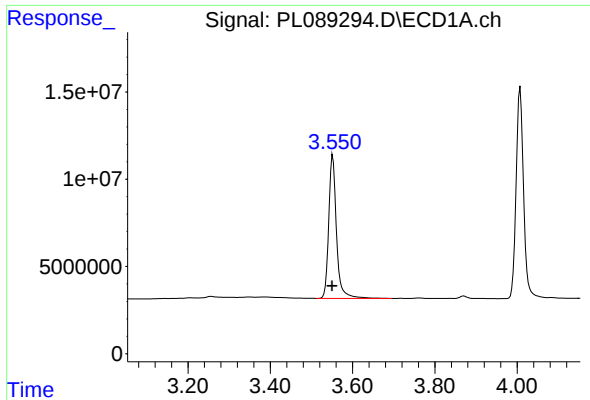
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/02/2024  
Supervised By :mohammad ahmed 05/02/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 01 22:32:05 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL042624.M  
Quant Title : GC Extractables  
QLast Update : Fri Apr 26 19:27:30 2024  
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





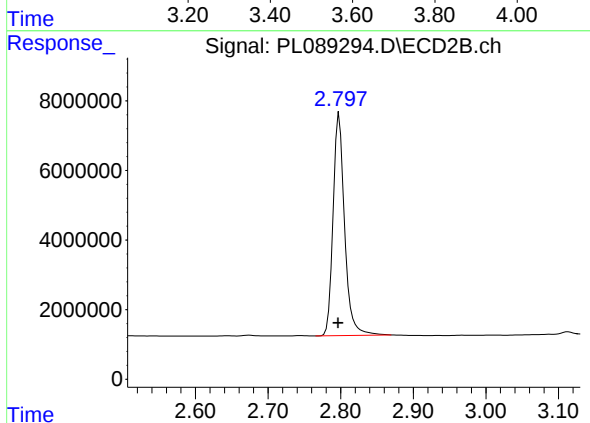
#1 Tetrachloro-m-xylene

R.T.: 3.552 min  
Delta R.T.: 0.002 min  
Response: 107345588  
Conc: 53.31 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

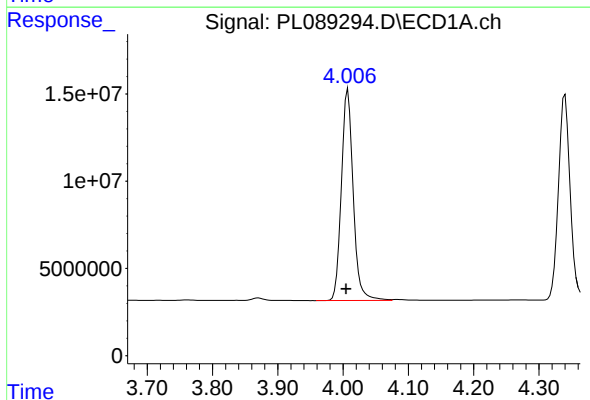
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/02/2024  
Supervised By :mohammad ahmed 05/02/2024



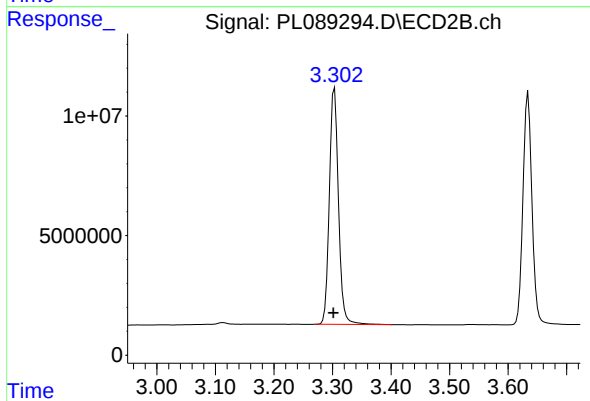
#1 Tetrachloro-m-xylene

R.T.: 2.798 min  
Delta R.T.: 0.002 min  
Response: 70511947  
Conc: 54.96 ng/ml



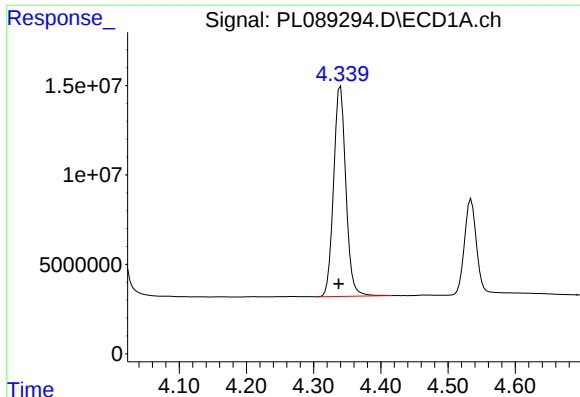
#2 alpha-BHC

R.T.: 4.007 min  
Delta R.T.: 0.002 min  
Response: 152602150  
Conc: 53.51 ng/ml



#2 alpha-BHC

R.T.: 3.303 min  
Delta R.T.: 0.002 min  
Response: 107118643  
Conc: 56.77 ng/ml



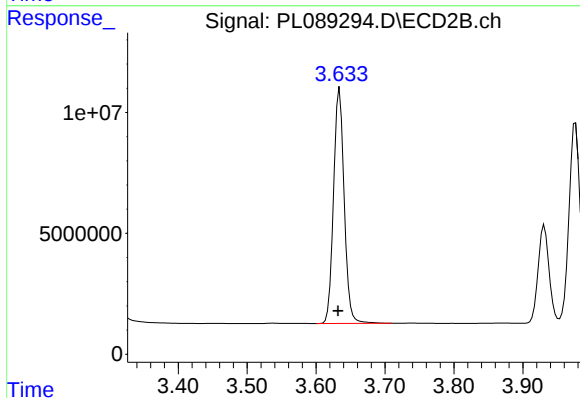
#3 gamma-BHC (Lindane)

R.T.: 4.340 min  
Delta R.T.: 0.002 min  
Response: 147372843  
Conc: 52.94 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

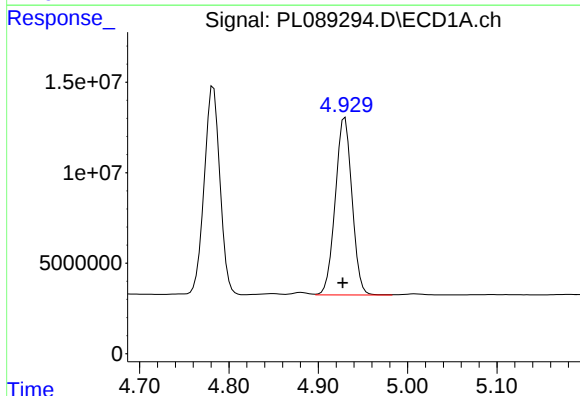
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/02/2024  
Supervised By :mohammad ahmed 05/02/2024



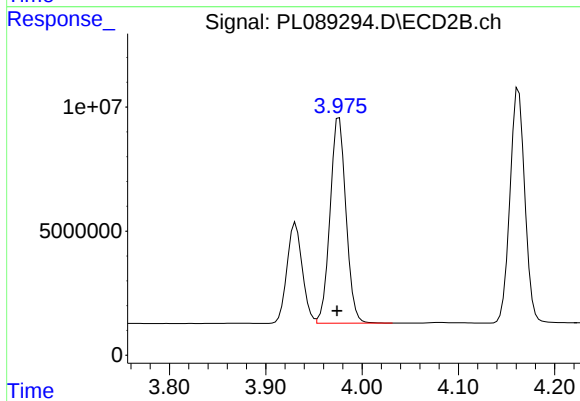
#3 gamma-BHC (Lindane)

R.T.: 3.634 min  
Delta R.T.: 0.002 min  
Response: 103998188  
Conc: 56.36 ng/ml



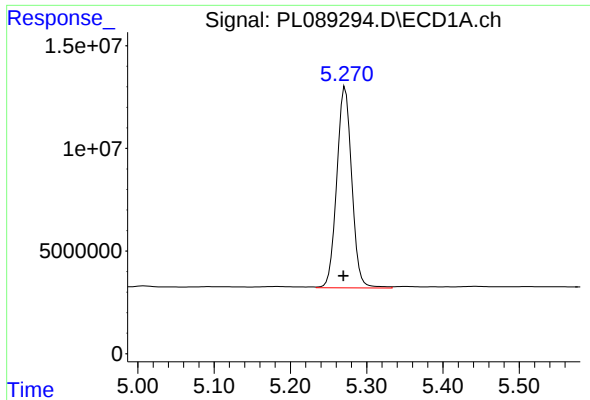
#4 Heptachlor

R.T.: 4.930 min  
Delta R.T.: 0.003 min  
Response: 127428836  
Conc: 51.38 ng/ml



#4 Heptachlor

R.T.: 3.976 min  
Delta R.T.: 0.002 min  
Response: 95310208  
Conc: 54.39 ng/ml



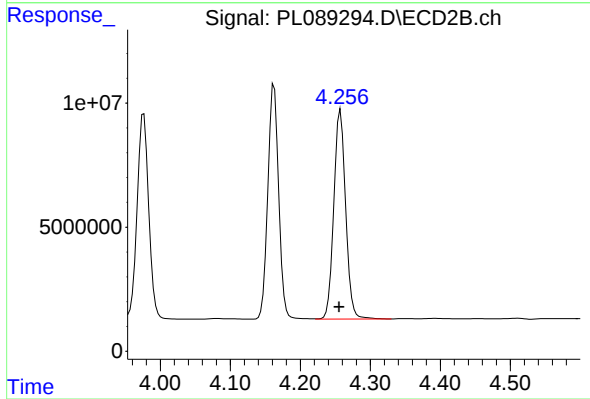
#5 Aldrin

R.T.: 5.272 min  
Delta R.T.: 0.003 min  
Response: 133480465  
Conc: 51.97 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

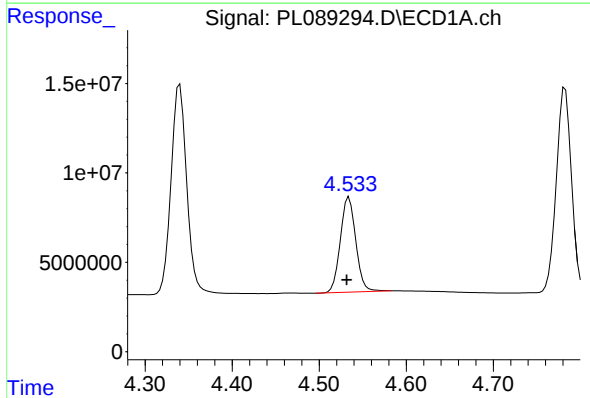
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/02/2024  
Supervised By :mohammad ahmed 05/02/2024



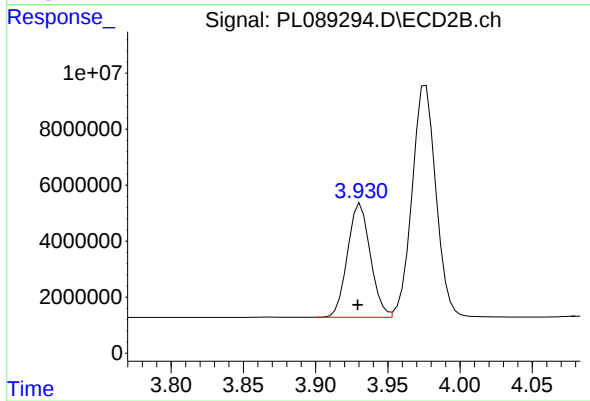
#5 Aldrin

R.T.: 4.257 min  
Delta R.T.: 0.002 min  
Response: 99076078  
Conc: 56.04 ng/ml



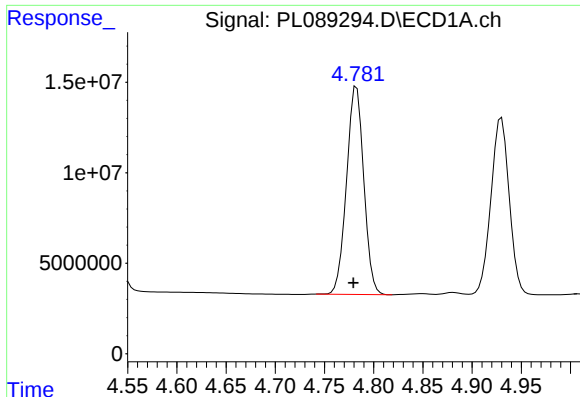
#6 beta-BHC

R.T.: 4.534 min  
Delta R.T.: 0.003 min  
Response: 65450891  
Conc: 51.88 ng/ml



#6 beta-BHC

R.T.: 3.931 min  
Delta R.T.: 0.002 min  
Response: 44600469  
Conc: 54.63 ng/ml



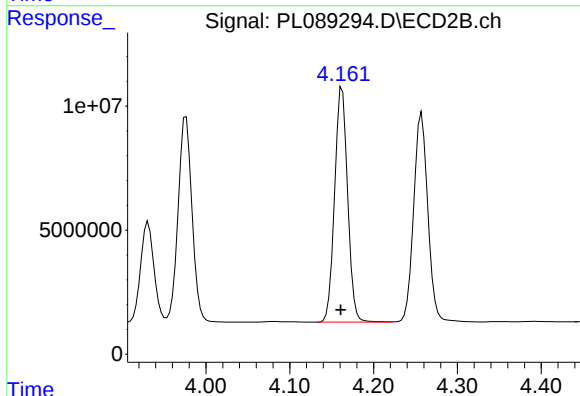
#7 delta-BHC

R.T.: 4.783 min  
Delta R.T.: 0.003 min  
Response: 140214875  
Conc: 52.87 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

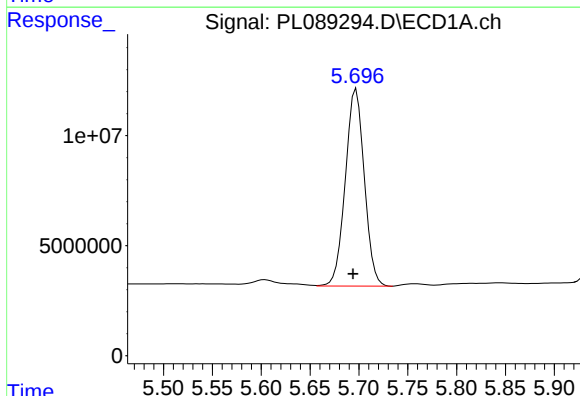
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/02/2024  
Supervised By :mohammad ahmed 05/02/2024



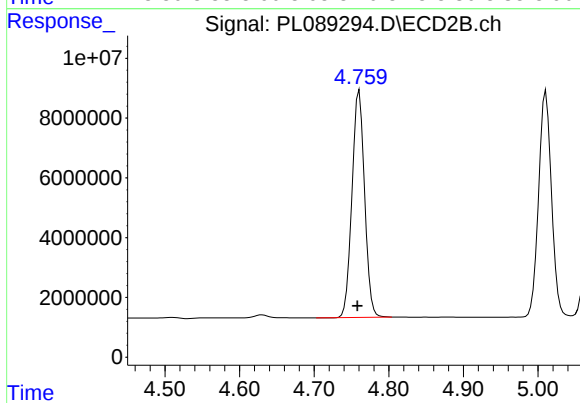
#7 delta-BHC

R.T.: 4.163 min  
Delta R.T.: 0.002 min  
Response: 101977048  
Conc: 56.68 ng/ml



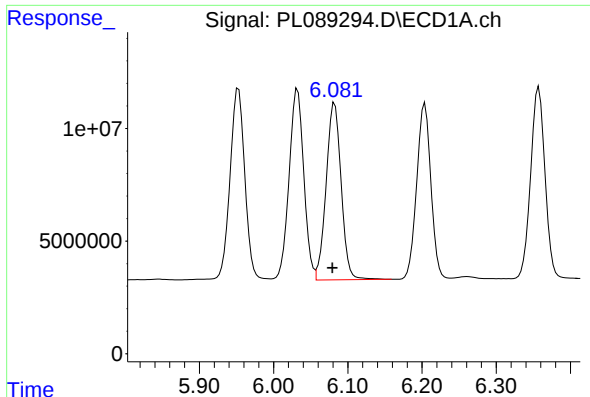
#8 Heptachlor epoxide

R.T.: 5.697 min  
Delta R.T.: 0.003 min  
Response: 121342338  
Conc: 51.73 ng/ml



#8 Heptachlor epoxide

R.T.: 4.760 min  
Delta R.T.: 0.002 min  
Response: 88935113  
Conc: 55.01 ng/ml



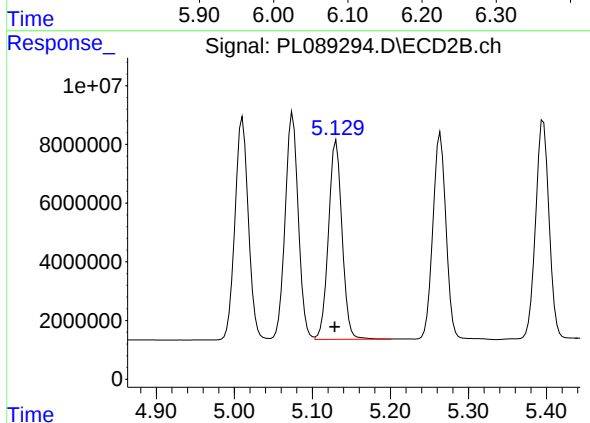
#9 Endosulfan I

R.T.: 6.082 min  
Delta R.T.: 0.003 min  
Response: 110677153  
Conc: 51.48 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

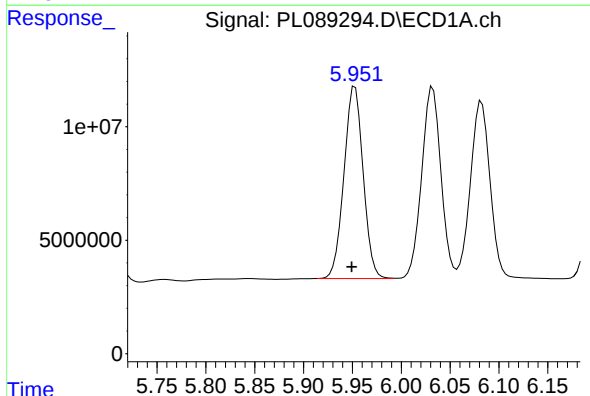
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/02/2024  
Supervised By :mohammad ahmed 05/02/2024



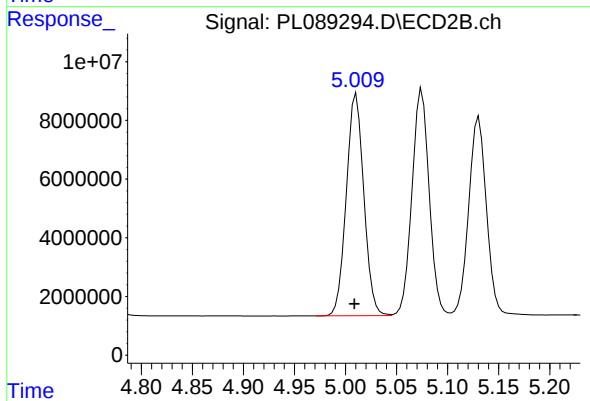
#9 Endosulfan I

R.T.: 5.131 min  
Delta R.T.: 0.002 min  
Response: 81882519  
Conc: 54.67 ng/ml



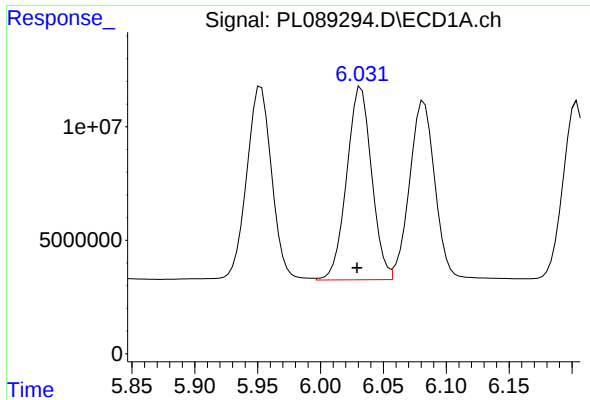
#10 gamma-Chlordane

R.T.: 5.951 min  
Delta R.T.: 0.002 min  
Response: 115585593  
Conc: 50.56 ng/ml m



#10 gamma-Chlordane

R.T.: 5.011 min  
Delta R.T.: 0.002 min  
Response: 90432553  
Conc: 55.11 ng/ml



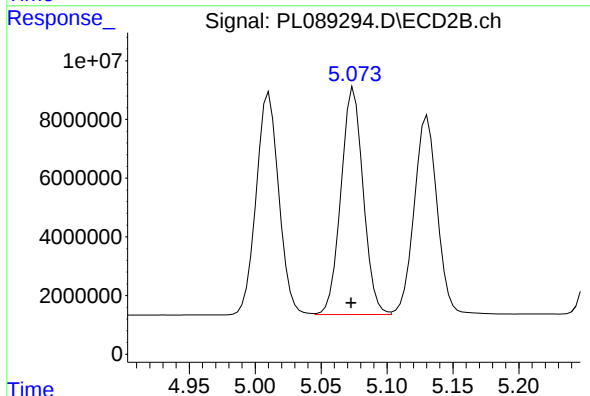
#11 alpha-Chlordane

R.T.: 6.032 min  
Delta R.T.: 0.003 min  
Response: 117458858  
Conc: 51.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

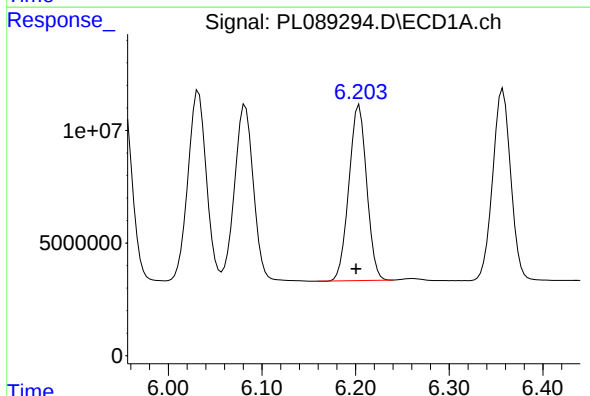
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/02/2024  
Supervised By :mohammad ahmed 05/02/2024



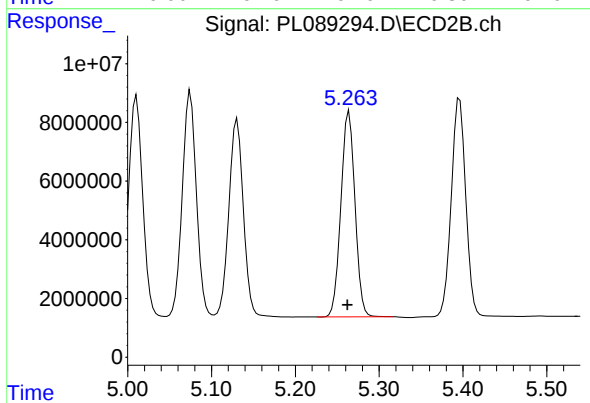
#11 alpha-Chlordane

R.T.: 5.075 min  
Delta R.T.: 0.002 min  
Response: 90543462  
Conc: 54.90 ng/ml



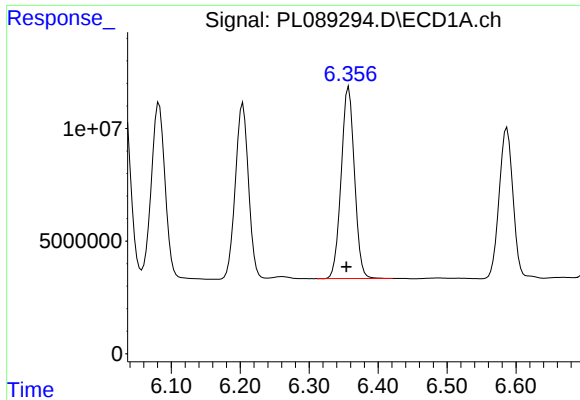
#12 4,4'-DDE

R.T.: 6.204 min  
Delta R.T.: 0.003 min  
Response: 102903912  
Conc: 50.86 ng/ml



#12 4,4'-DDE

R.T.: 5.264 min  
Delta R.T.: 0.002 min  
Response: 81742486  
Conc: 56.22 ng/ml



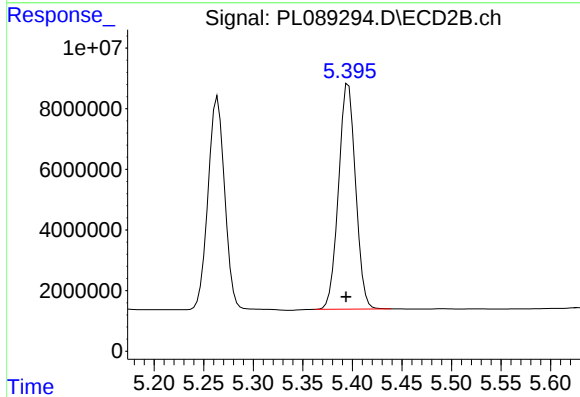
#13 Dieldrin

R.T.: 6.357 min  
Delta R.T.: 0.003 min  
Response: 114013272  
Conc: 50.93 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

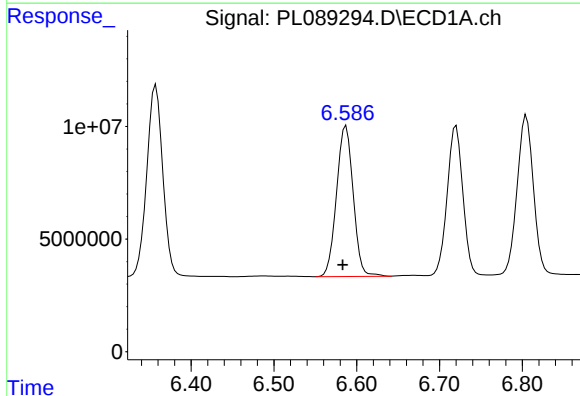
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/02/2024  
Supervised By :mohammad ahmed 05/02/2024



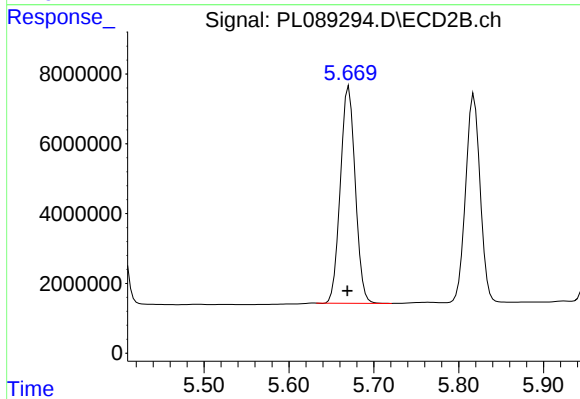
#13 Dieldrin

R.T.: 5.396 min  
Delta R.T.: 0.002 min  
Response: 88975084  
Conc: 55.31 ng/ml



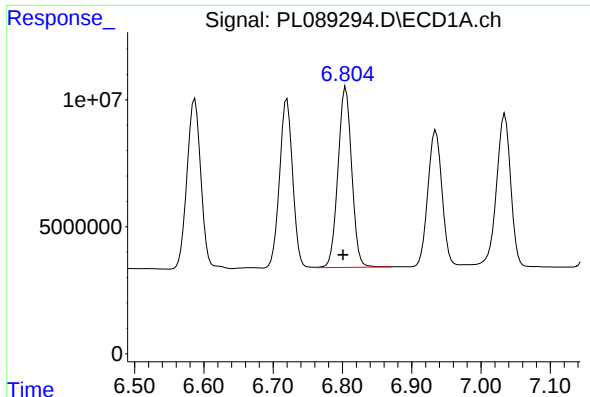
#14 Endrin

R.T.: 6.587 min  
Delta R.T.: 0.004 min  
Response: 93528567  
Conc: 49.37 ng/ml



#14 Endrin

R.T.: 5.671 min  
Delta R.T.: 0.002 min  
Response: 75566827  
Conc: 52.56 ng/ml



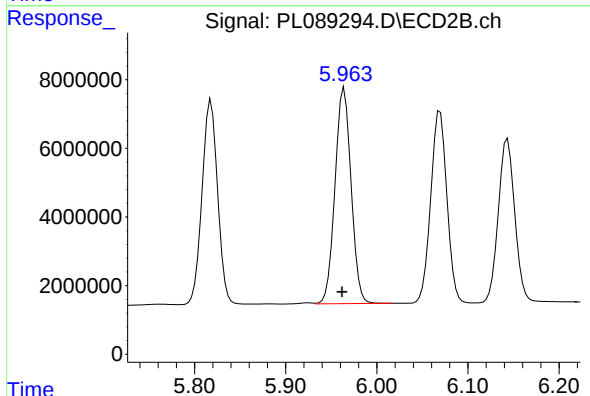
#15 Endosulfan II

R.T.: 6.805 min  
Delta R.T.: 0.004 min  
Response: 97781532  
Conc: 48.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

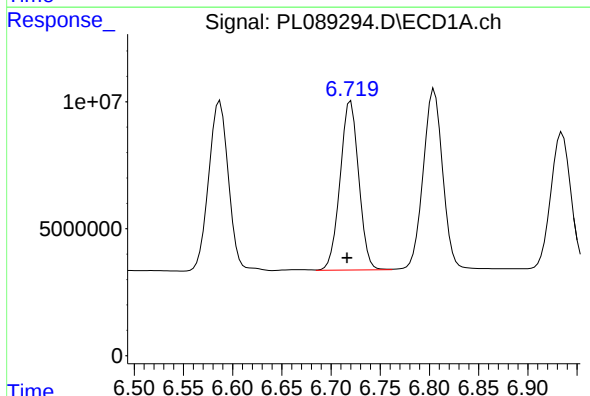
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/02/2024  
Supervised By :mohammad ahmed 05/02/2024



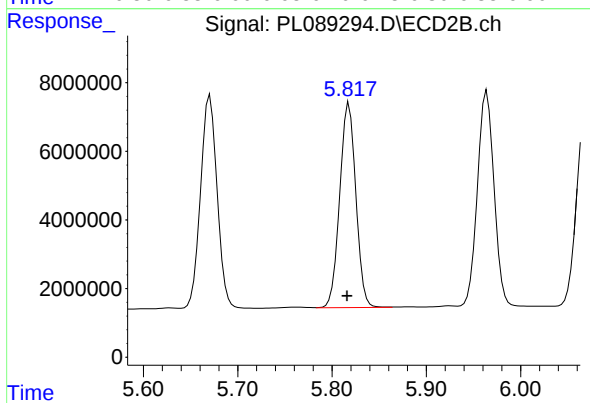
#15 Endosulfan II

R.T.: 5.964 min  
Delta R.T.: 0.002 min  
Response: 77112121  
Conc: 53.61 ng/ml



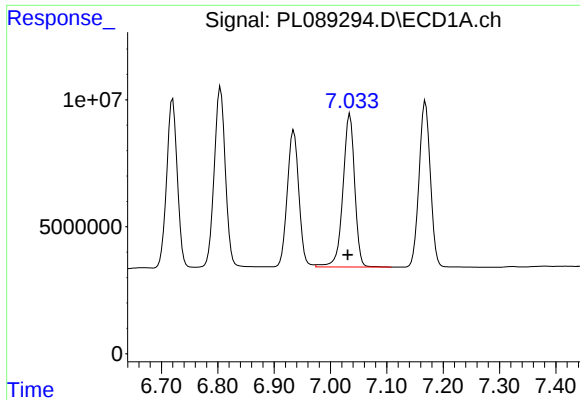
#16 4,4'-DDD

R.T.: 6.720 min  
Delta R.T.: 0.004 min  
Response: 87623328  
Conc: 51.94 ng/ml



#16 4,4'-DDD

R.T.: 5.818 min  
Delta R.T.: 0.002 min  
Response: 70951983  
Conc: 57.53 ng/ml



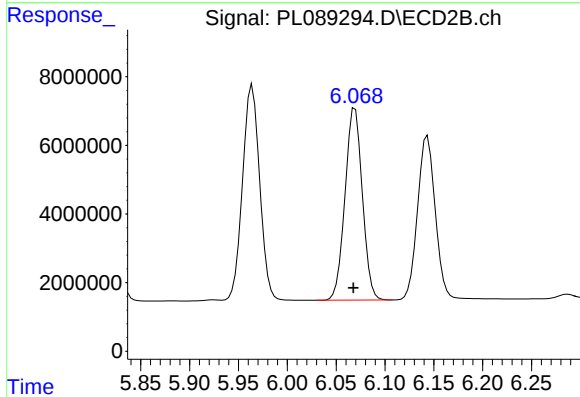
#17 4,4'-DDT

R.T.: 7.035 min  
Delta R.T.: 0.004 min  
Response: 87421824  
Conc: 47.54 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

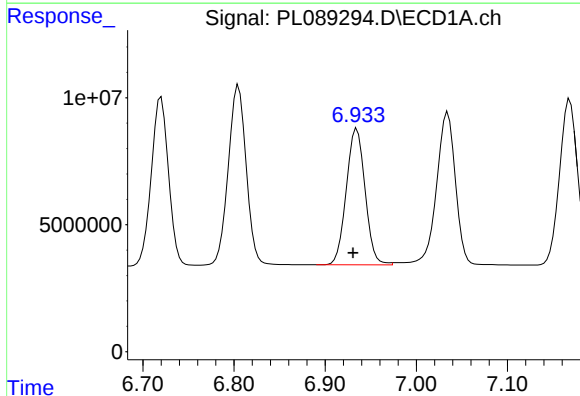
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/02/2024  
Supervised By :mohammad ahmed 05/02/2024



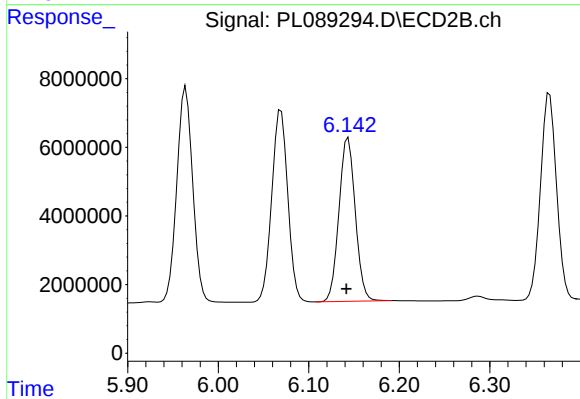
#17 4,4'-DDT

R.T.: 6.069 min  
Delta R.T.: 0.002 min  
Response: 69087482  
Conc: 51.06 ng/ml



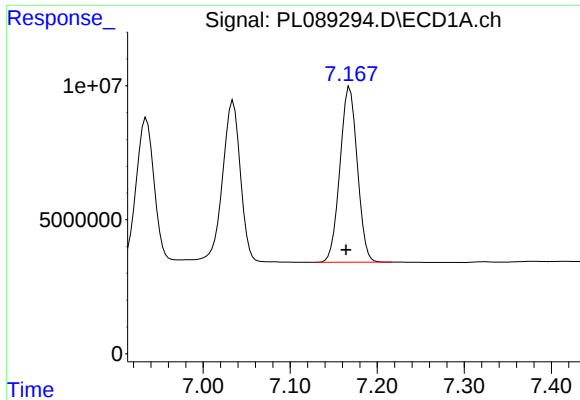
#18 Endrin aldehyde

R.T.: 6.935 min  
Delta R.T.: 0.004 min  
Response: 76766817  
Conc: 50.76 ng/ml



#18 Endrin aldehyde

R.T.: 6.144 min  
Delta R.T.: 0.002 min  
Response: 59726666  
Conc: 53.70 ng/ml



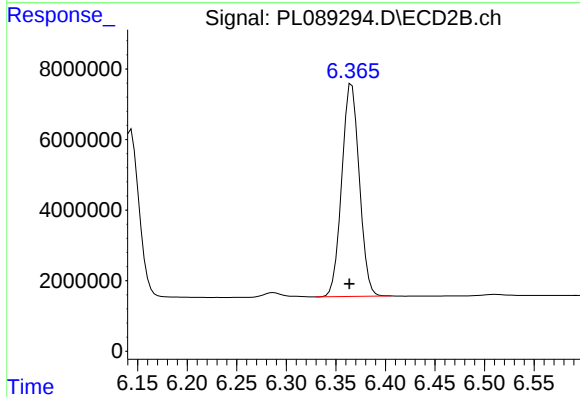
#19 Endosulfan Sulfate

R.T.: 7.169 min  
Delta R.T.: 0.004 min  
Response: 90772377  
Conc: 50.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

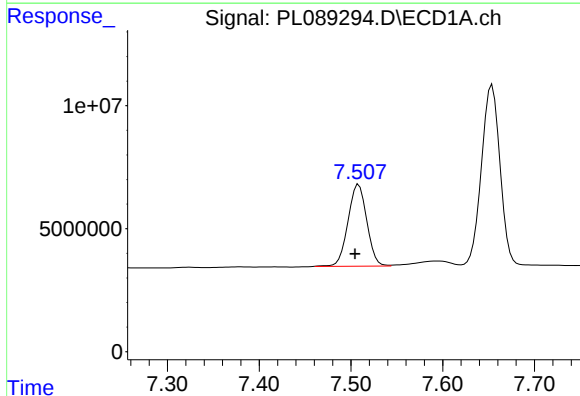
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/02/2024  
Supervised By :mohammad ahmed 05/02/2024



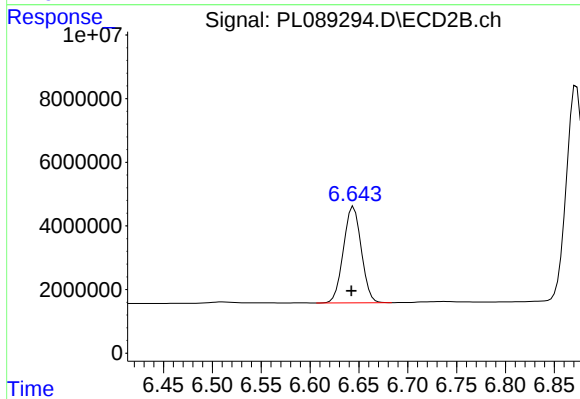
#19 Endosulfan Sulfate

R.T.: 6.366 min  
Delta R.T.: 0.002 min  
Response: 74278182  
Conc: 53.55 ng/ml



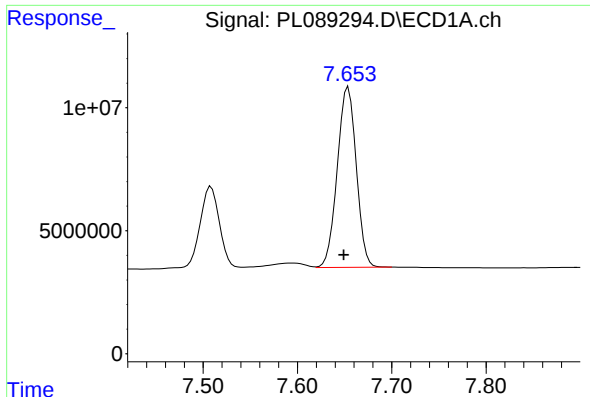
#20 Methoxychlor

R.T.: 7.508 min  
Delta R.T.: 0.004 min  
Response: 47272107  
Conc: 48.07 ng/ml



#20 Methoxychlor

R.T.: 6.645 min  
Delta R.T.: 0.002 min  
Response: 38478350  
Conc: 48.12 ng/ml



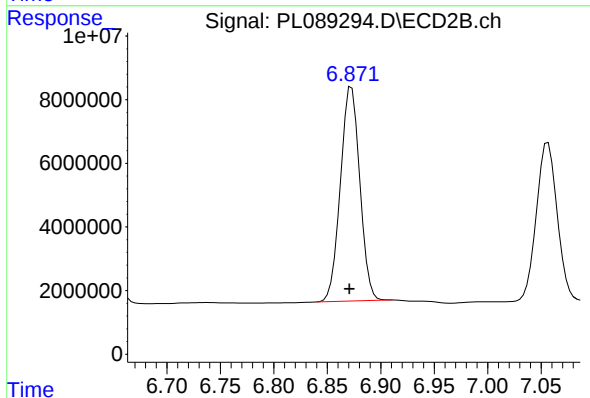
#21 Endrin ketone

R.T.: 7.654 min  
Delta R.T.: 0.005 min  
Response: 102775730  
Conc: 51.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

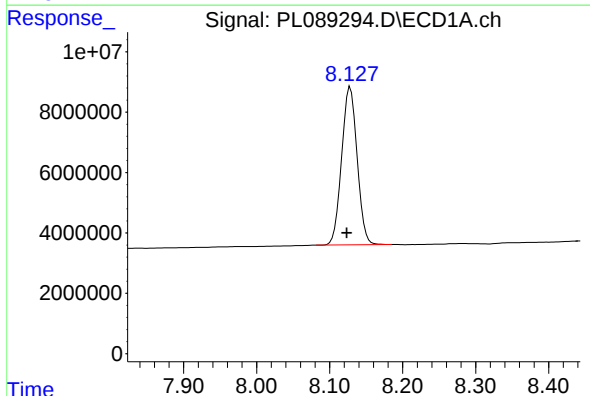
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/02/2024  
Supervised By :mohammad ahmed 05/02/2024



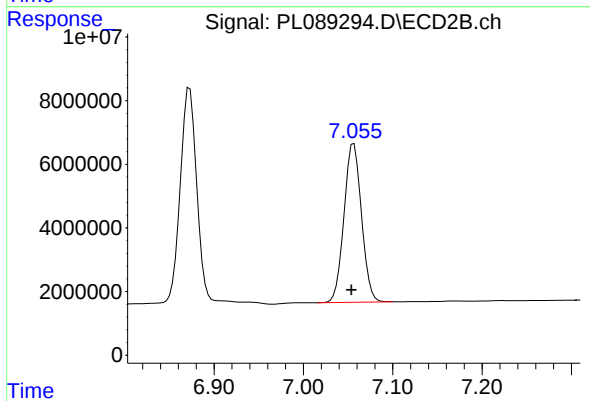
#21 Endrin ketone

R.T.: 6.873 min  
Delta R.T.: 0.002 min  
Response: 85178838  
Conc: 53.27 ng/ml



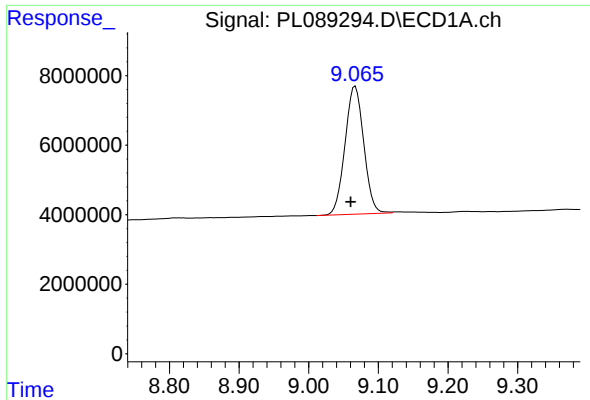
#22 Mirex

R.T.: 8.128 min  
Delta R.T.: 0.005 min  
Response: 77068608  
Conc: 49.59 ng/ml



#22 Mirex

R.T.: 7.056 min  
Delta R.T.: 0.003 min  
Response: 67803626  
Conc: 49.70 ng/ml



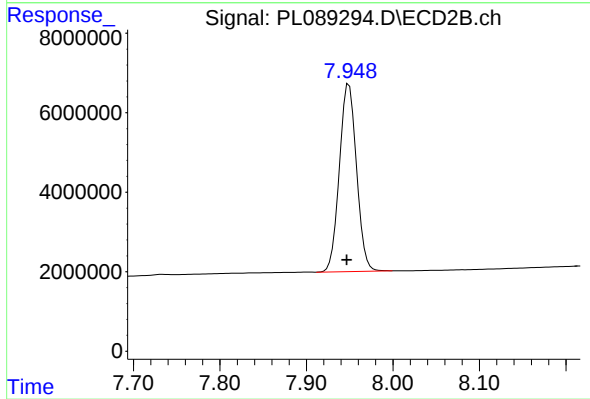
#28 Decachlorobiphenyl

R.T.: 9.067 min  
Delta R.T.: 0.007 min  
Response: 68840348  
Conc: 49.21 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/02/2024  
Supervised By :mohammad ahmed 05/02/2024



#28 Decachlorobiphenyl

R.T.: 7.949 min  
Delta R.T.: 0.003 min  
Response: 64677754  
Conc: 48.08 ng/ml