

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071625\
 Data File : PL096402.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Jul 2025 15:55
 Operator : AR\AJ
 Sample : PB168853BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168853BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/17/2025
 Supervised By : mohammad ahmed 07/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 17 01:43:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 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...	3.537	2.829	62386417	104.8E6	17.097	18.157
28)	SA Decachlor...	9.020	7.994	50366008	88896367	17.904	17.827
Target Compounds							
2)	A alpha-BHC	3.984	3.335	244.5E6	421.8E6	47.548	50.006
3)	MA gamma-BHC...	4.313	3.666	234.8E6	392.8E6	47.149	49.873
4)	MA Heptachlor	4.905	4.016	220.1E6	383.3E6	48.036	50.387
5)	MB Aldrin	5.245	4.299	225.4E6	364.0E6	46.631	49.894
6)	B beta-BHC	4.499	3.962	99220657	166.3E6	47.730	48.557
7)	B delta-BHC	4.745	4.196	220.0E6	387.2E6	49.094	50.268
8)	B Heptachlo...	5.665	4.801	205.1E6	326.5E6	49.444	48.835
9)	A Endosulfan I	6.047	5.172	189.2E6	309.0E6	46.866	43.078
10)	B gamma-Chl...	5.919	5.053	204.2E6	345.5E6	46.146	49.218
11)	B alpha-Chl...	5.999	5.117	204.5E6	340.4E6	46.700	45.260
12)	B 4,4'-DDE	6.169	5.306	168.4E6	318.7E6	45.420	49.311
13)	MA Dieldrin	6.319	5.437	198.4E6	334.5E6	46.926	49.055
14)	MA Endrin	6.545	5.711	156.3E6	303.9E6	50.258	49.853
15)	B Endosulfa...	6.757	6.003	166.8E6	284.8E6	48.064m	48.560
16)	A 4,4'-DDD	6.677	5.858	141.0E6	268.3E6	48.417	52.316
17)	MA 4,4'-DDT	6.992	6.111	140.1E6	270.6E6	46.173	47.182
18)	B Endrin al...	6.886	6.181	126.1E6	220.7E6	56.427	49.551
19)	B Endosulfa...	7.120	6.405	145.8E6	277.1E6	47.656	49.274
20)	A Methoxychlor	7.464	6.683	73365869	144.9E6	46.570	47.689
21)	B Endrin ke...	7.599	6.909	153.4E6	299.1E6	46.473	47.843
22)	Mirex	8.079	7.099	127.6E6	230.3E6	45.872	46.352

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071625\
Data File : PL096402.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2025 15:55
Operator : AR\AJ
Sample : PB168853BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB168853BS

Manual Integrations

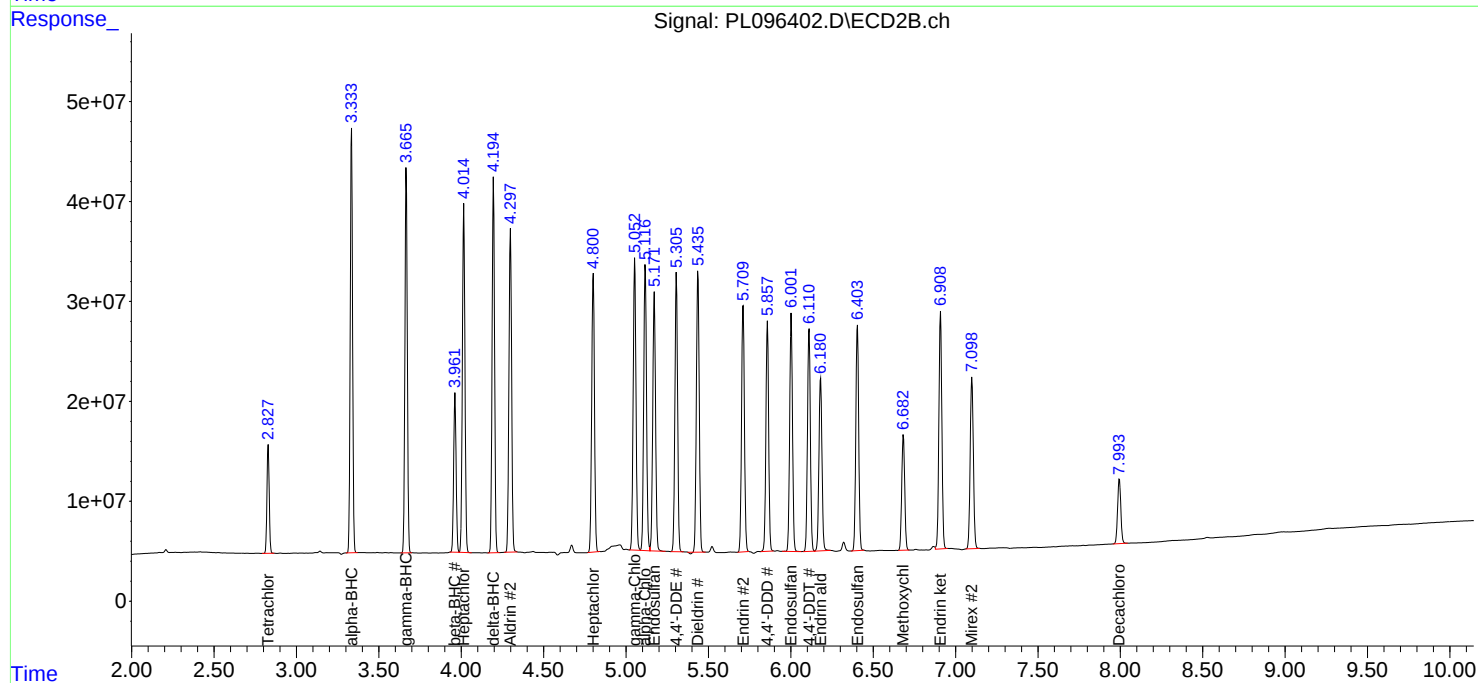
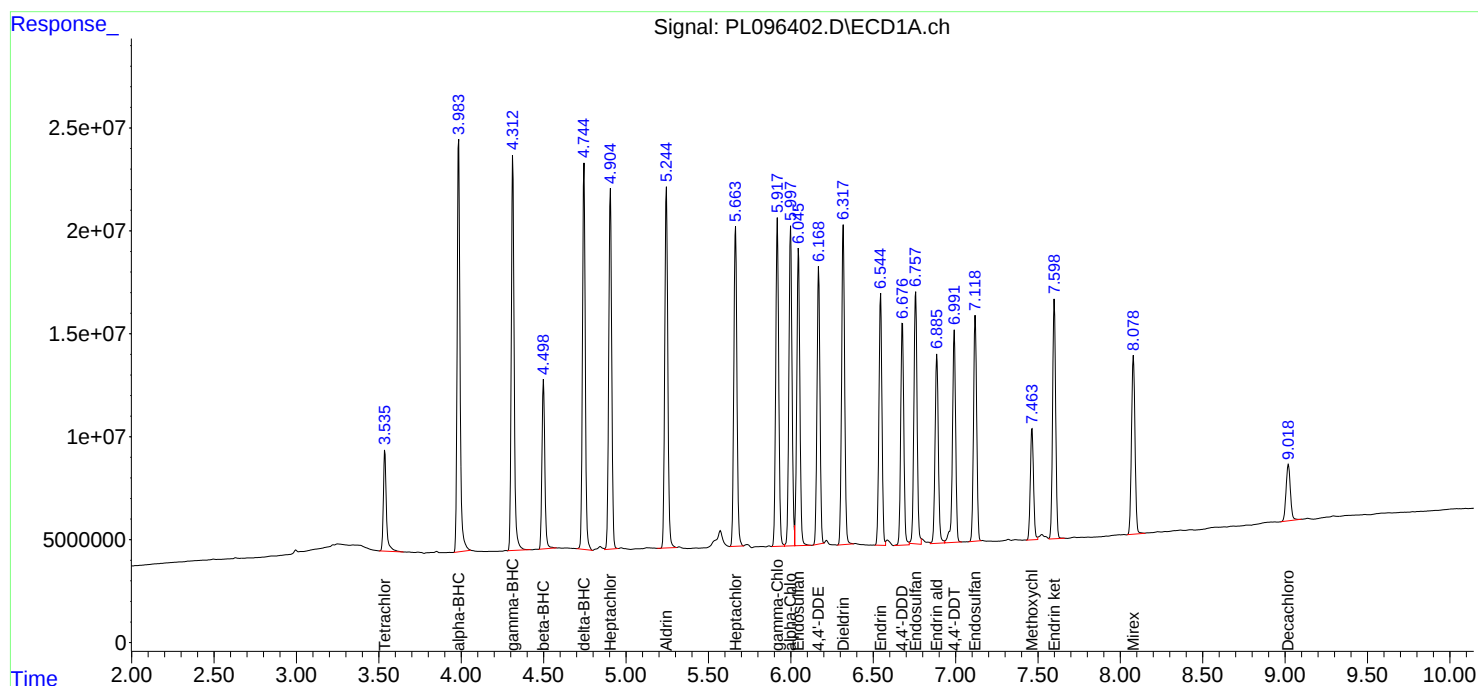
APPROVED

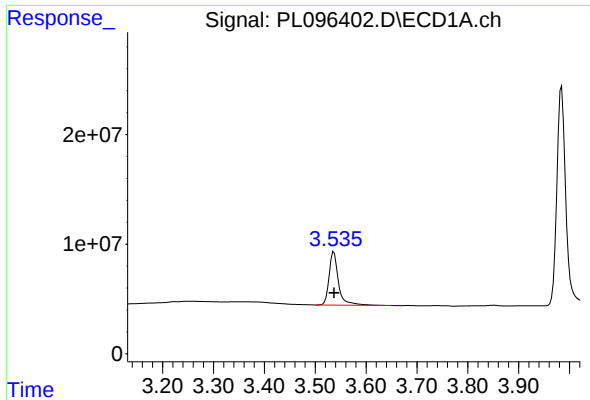
Reviewed By :Abdul Mirza 07/17/2025

Supervised By :mohammad ahmed 07/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 01:43:24 2025
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Volume Inj. : 1 µl
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Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





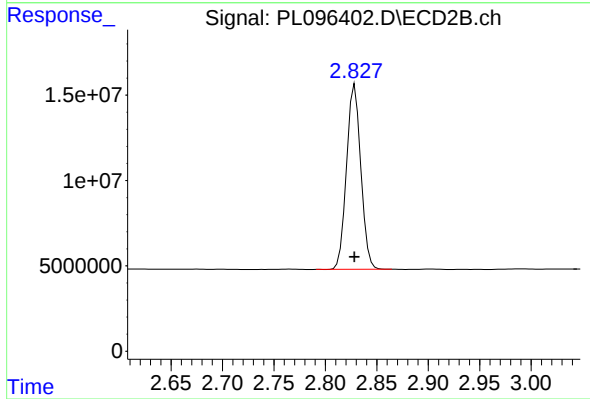
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 62386417
Conc: 17.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168853BS

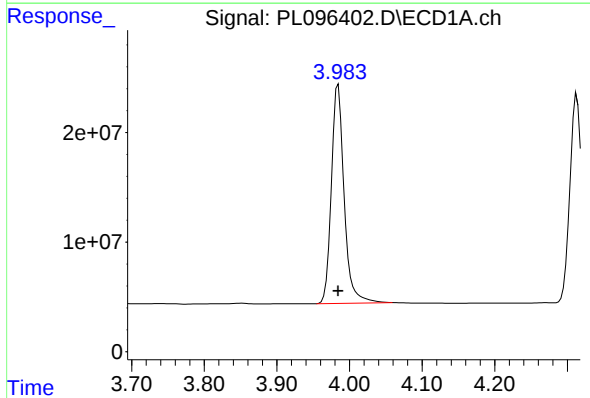
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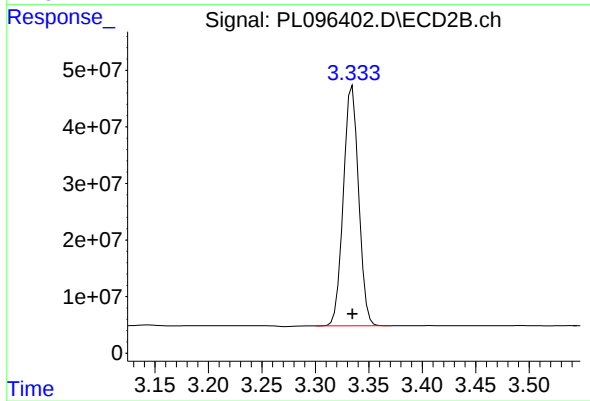
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 104787089
Conc: 18.16 ng/ml



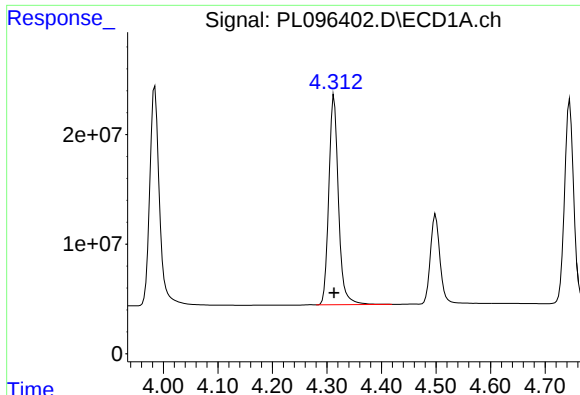
#2 alpha-BHC

R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 244546063
Conc: 47.55 ng/ml



#2 alpha-BHC

R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 421769573
Conc: 50.01 ng/ml



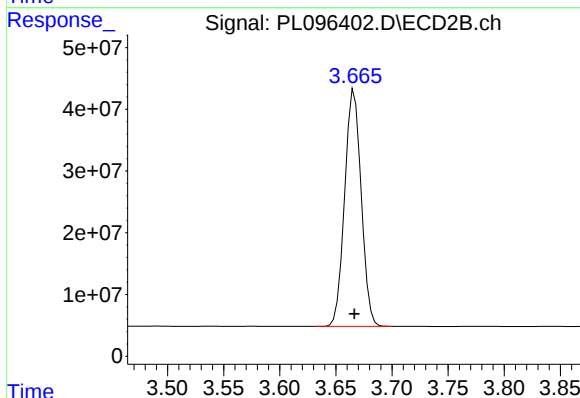
#3 gamma-BHC (Lindane)

R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 234785111
Conc: 47.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168853BS

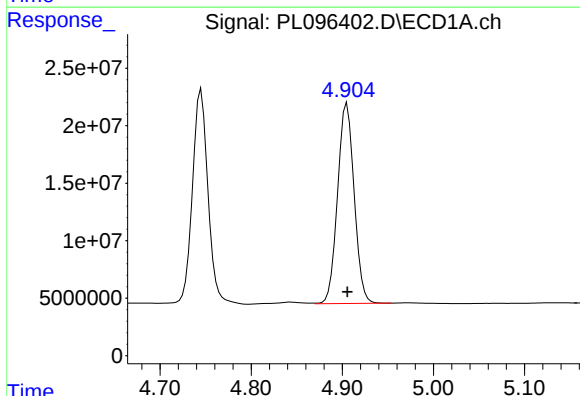
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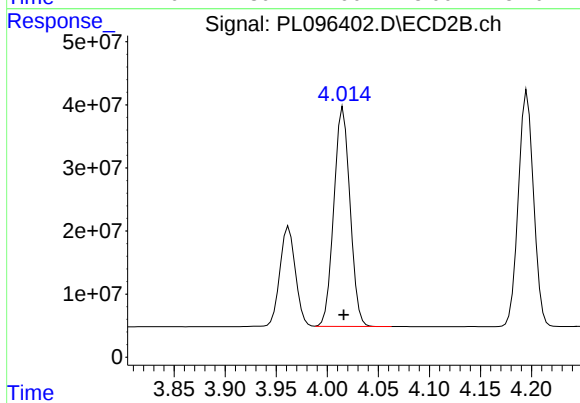
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 392794879
Conc: 49.87 ng/ml



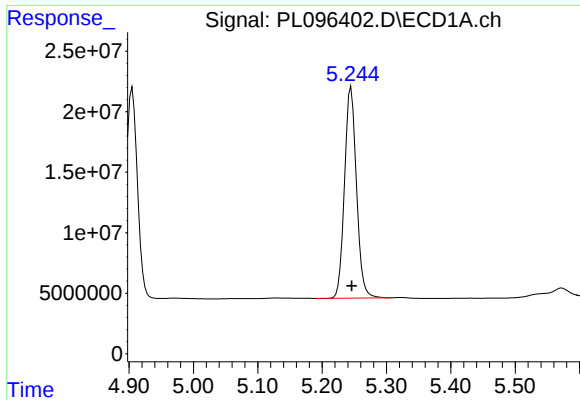
#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 220064311
Conc: 48.04 ng/ml



#4 Heptachlor

R.T.: 4.016 min
Delta R.T.: 0.000 min
Response: 383332750
Conc: 50.39 ng/ml



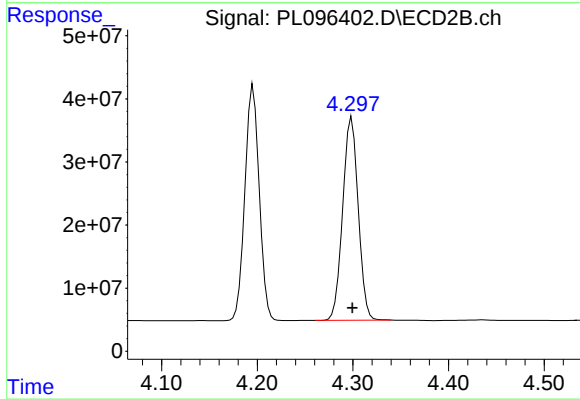
#5 Aldrin

R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 225402960
Conc: 46.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168853BS

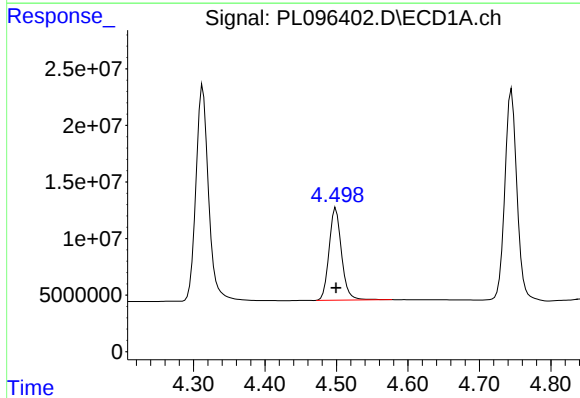
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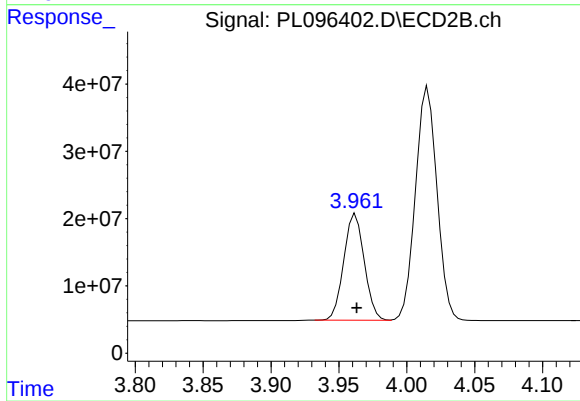
#5 Aldrin

R.T.: 4.299 min
Delta R.T.: 0.000 min
Response: 364009333
Conc: 49.89 ng/ml



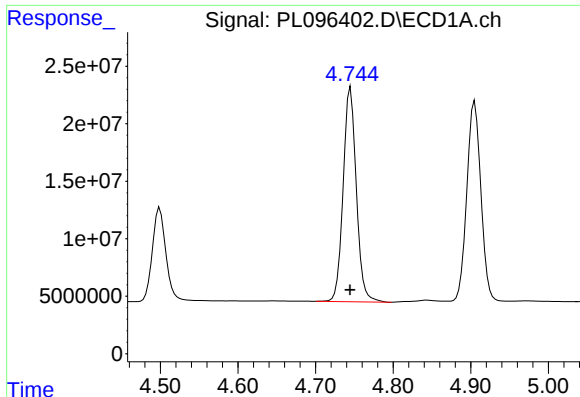
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 99220657
Conc: 47.73 ng/ml



#6 beta-BHC

R.T.: 3.962 min
Delta R.T.: 0.000 min
Response: 166253696
Conc: 48.56 ng/ml



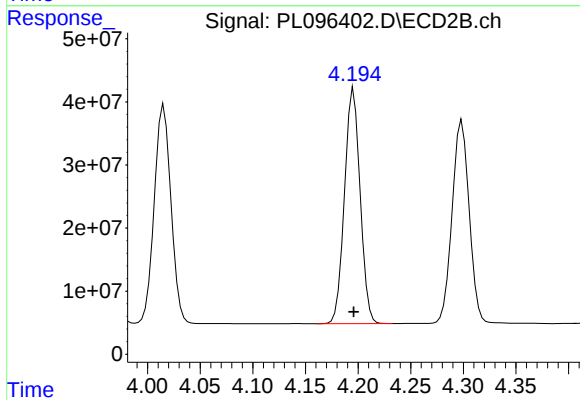
#7 delta-BHC

R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 220004534
Conc: 49.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168853BS

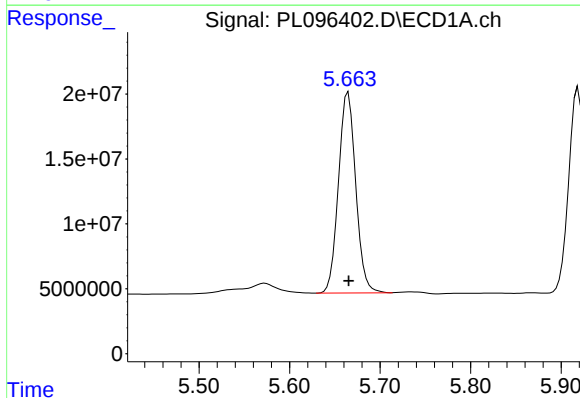
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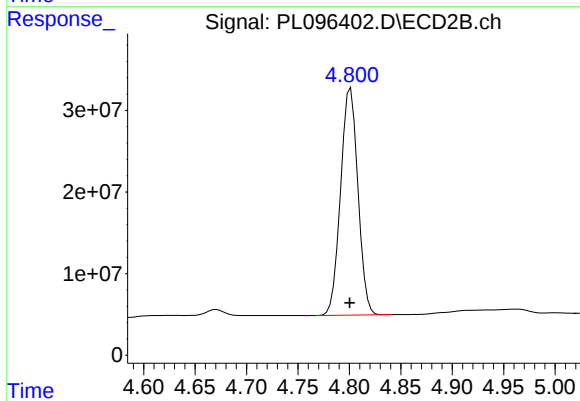
#7 delta-BHC

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 387161464
Conc: 50.27 ng/ml



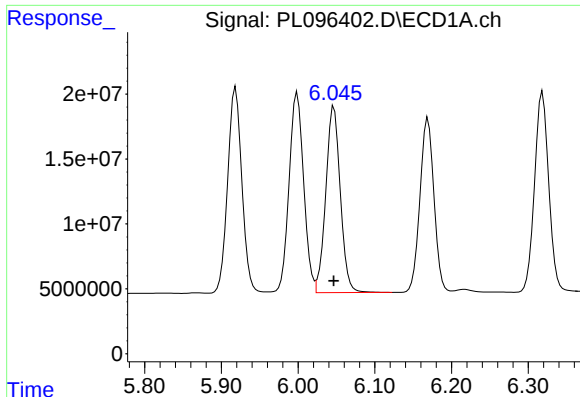
#8 Heptachlor epoxide

R.T.: 5.665 min
Delta R.T.: 0.000 min
Response: 205149357
Conc: 49.44 ng/ml



#8 Heptachlor epoxide

R.T.: 4.801 min
Delta R.T.: 0.000 min
Response: 326457434
Conc: 48.84 ng/ml



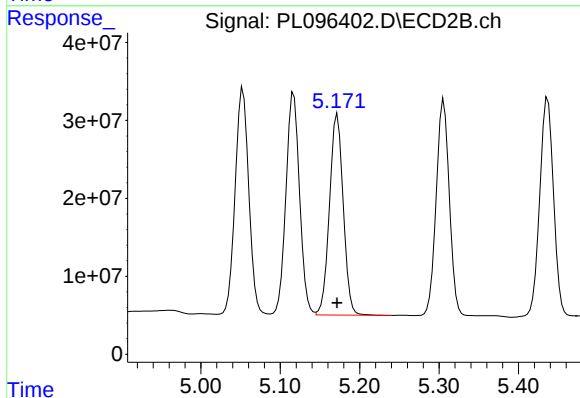
#9 Endosulfan I

R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 189209299
Conc: 46.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168853BS

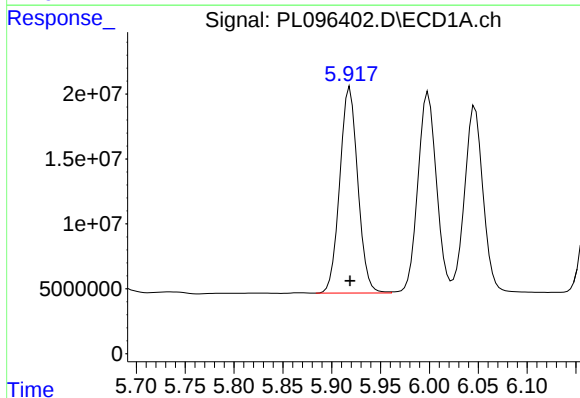
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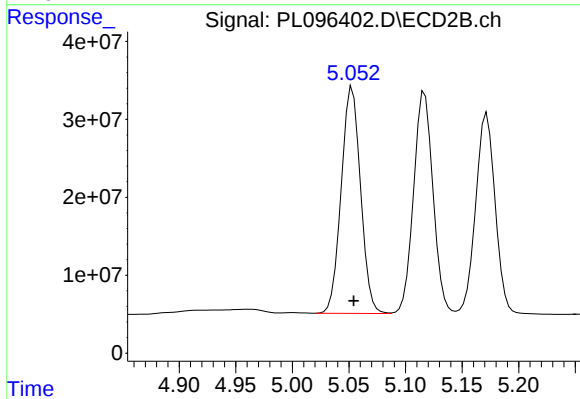
#9 Endosulfan I

R.T.: 5.172 min
Delta R.T.: 0.000 min
Response: 309047199
Conc: 43.08 ng/ml



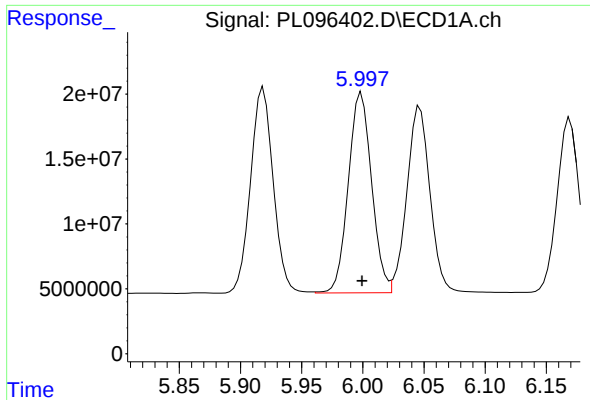
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 204186332
Conc: 46.15 ng/ml



#10 gamma-Chlordane

R.T.: 5.053 min
Delta R.T.: -0.001 min
Response: 345496803
Conc: 49.22 ng/ml



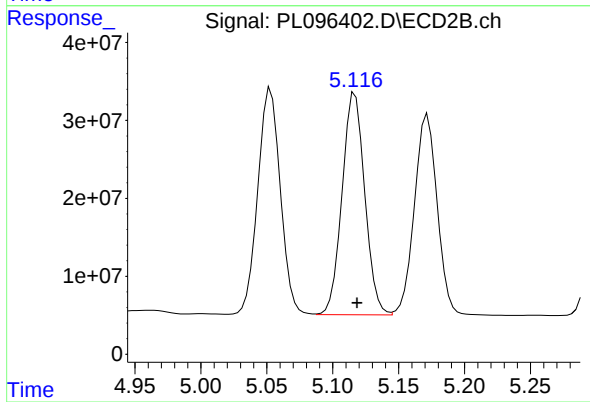
#11 alpha-Chlordane

R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 204492547
Conc: 46.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168853BS

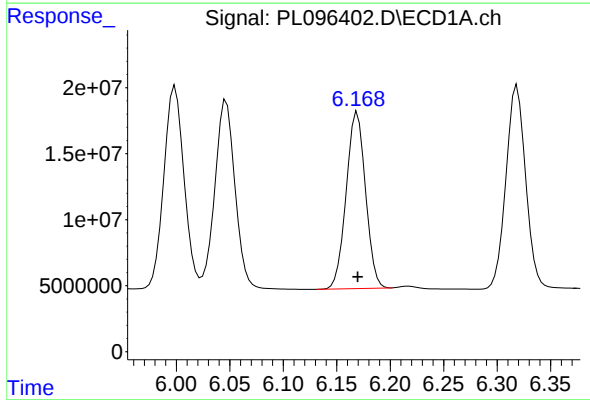
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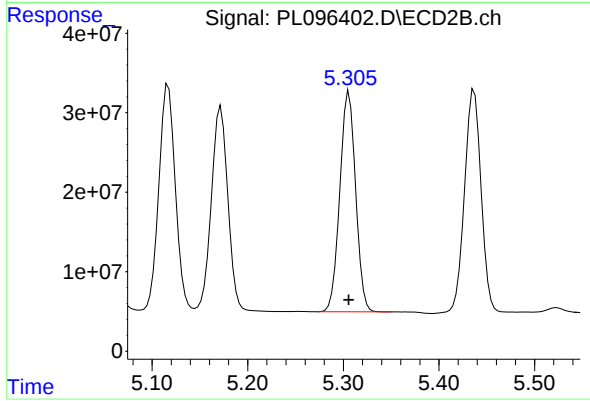
#11 alpha-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.002 min
Response: 340362350
Conc: 45.26 ng/ml



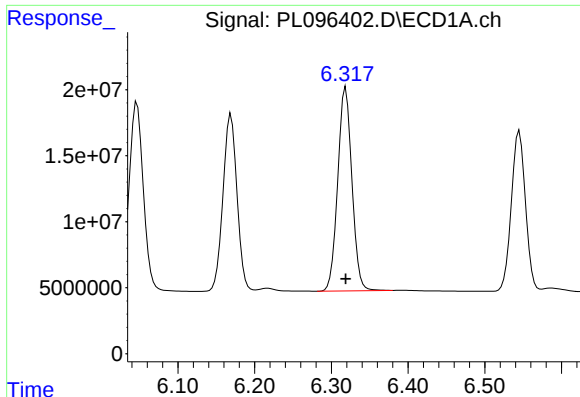
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 168393959
Conc: 45.42 ng/ml



#12 4,4'-DDE

R.T.: 5.306 min
Delta R.T.: 0.000 min
Response: 318728868
Conc: 49.31 ng/ml



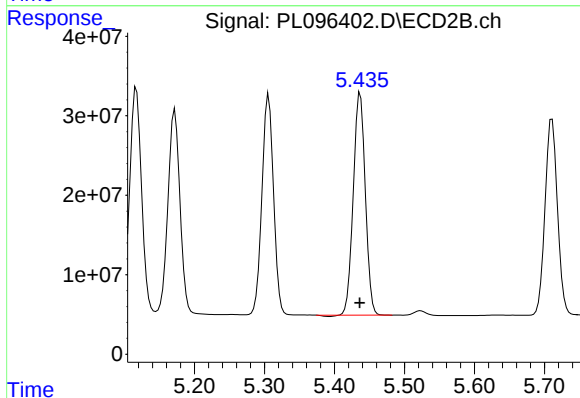
#13 Dieldrin

R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 198424111
Conc: 46.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168853BS

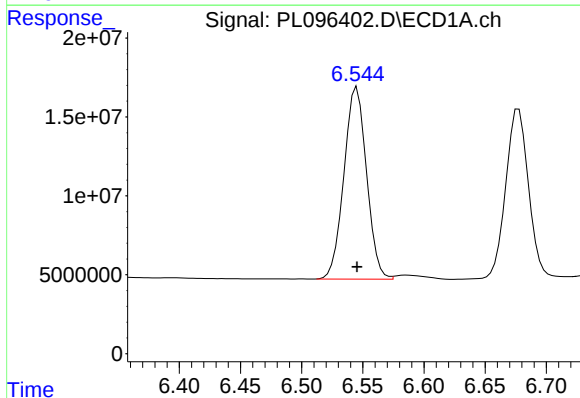
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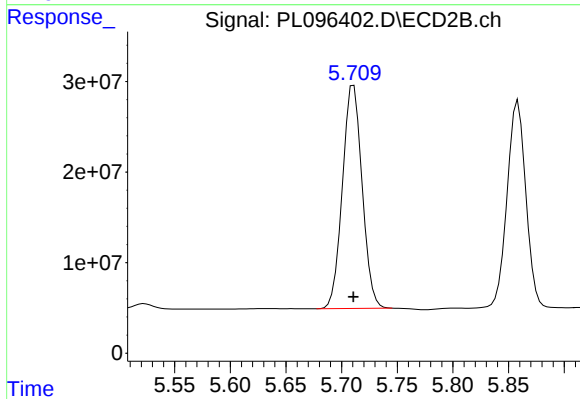
#13 Dieldrin

R.T.: 5.437 min
Delta R.T.: 0.000 min
Response: 334517231
Conc: 49.05 ng/ml



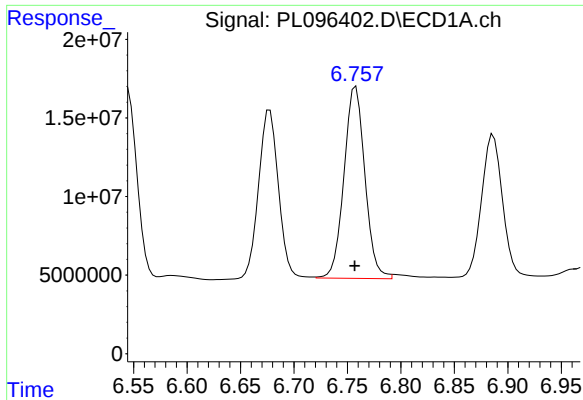
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 156313289
Conc: 50.26 ng/ml



#14 Endrin

R.T.: 5.711 min
Delta R.T.: 0.000 min
Response: 303931197
Conc: 49.85 ng/ml



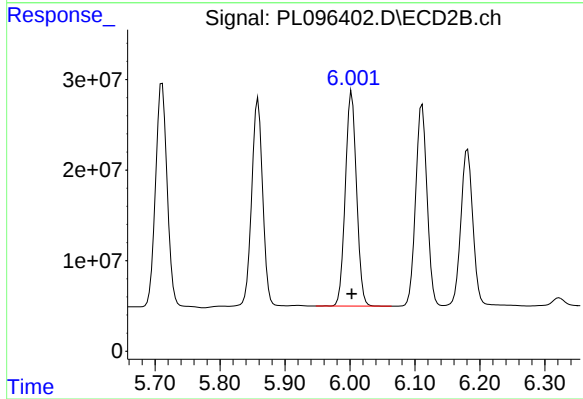
#15 Endosulfan II

R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 166785991
Conc: 48.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168853BS

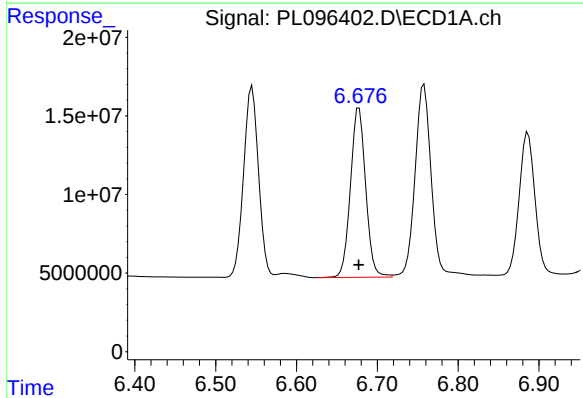
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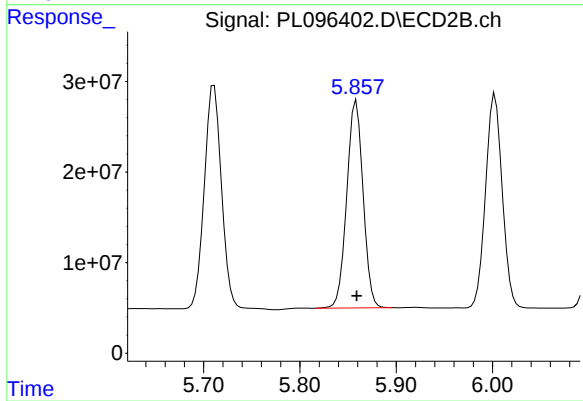
#15 Endosulfan II

R.T.: 6.003 min
Delta R.T.: 0.000 min
Response: 284751397
Conc: 48.56 ng/ml



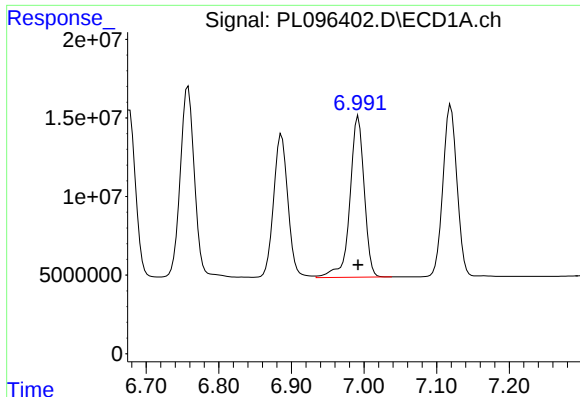
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 140975494
Conc: 48.42 ng/ml



#16 4,4'-DDD

R.T.: 5.858 min
Delta R.T.: 0.000 min
Response: 268310606
Conc: 52.32 ng/ml



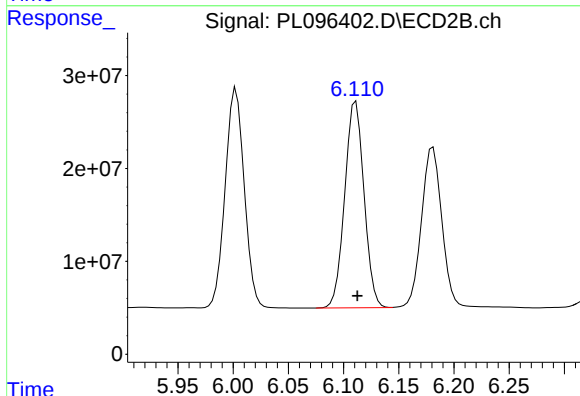
#17 4,4'-DDT

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 140145508
Conc: 46.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168853BS

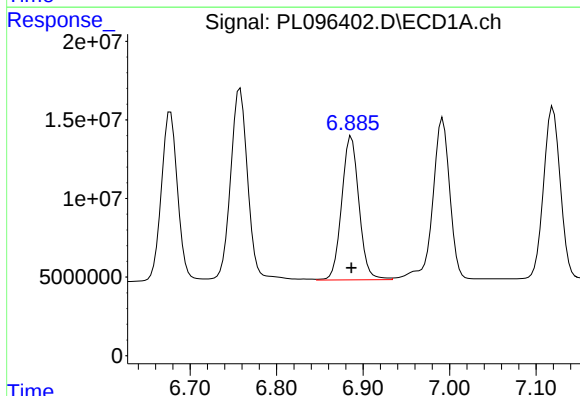
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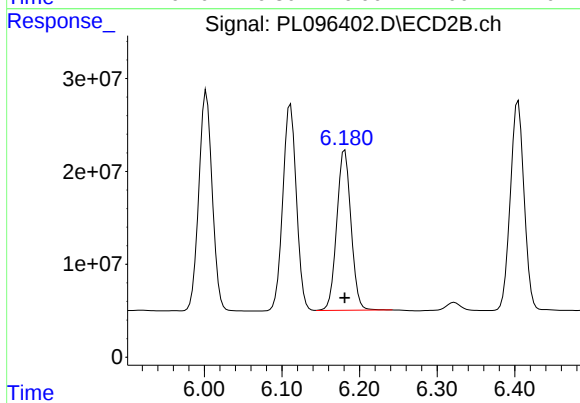
#17 4,4'-DDT

R.T.: 6.111 min
Delta R.T.: -0.001 min
Response: 270597531
Conc: 47.18 ng/ml



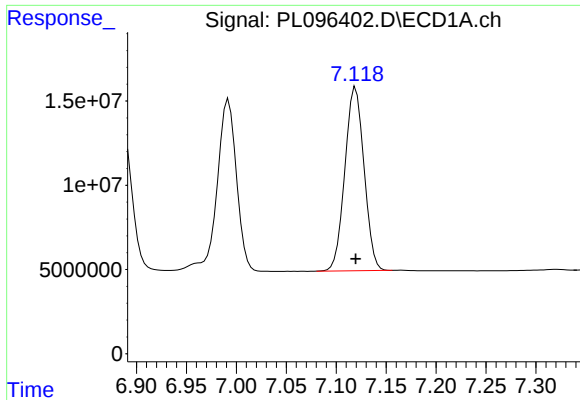
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 126146421
Conc: 56.43 ng/ml



#18 Endrin aldehyde

R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 220730290
Conc: 49.55 ng/ml



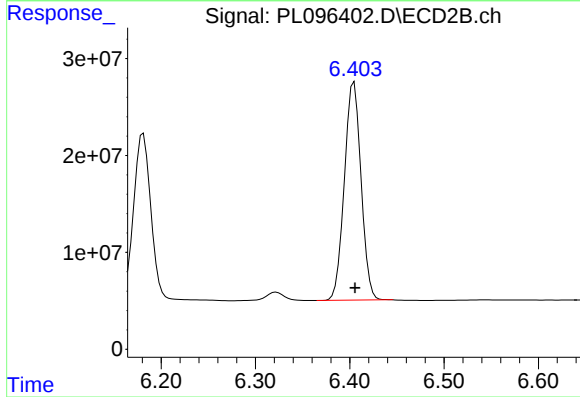
#19 Endosulfan Sulfate

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 145772320
Conc: 47.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168853BS

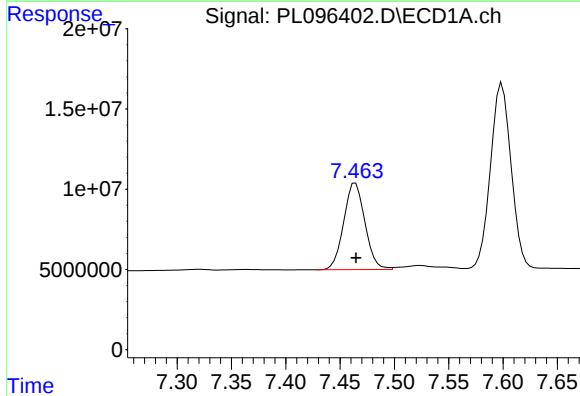
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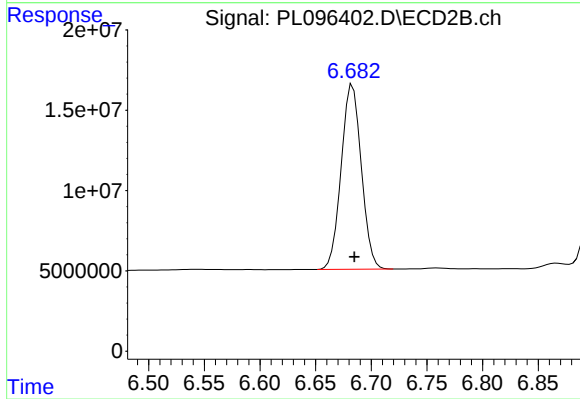
#19 Endosulfan Sulfate

R.T.: 6.405 min
Delta R.T.: -0.001 min
Response: 277135792
Conc: 49.27 ng/ml



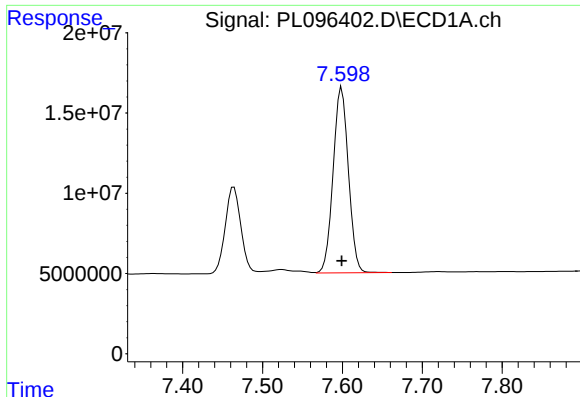
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 73365869
Conc: 46.57 ng/ml



#20 Methoxychlor

R.T.: 6.683 min
Delta R.T.: -0.002 min
Response: 144867957
Conc: 47.69 ng/ml



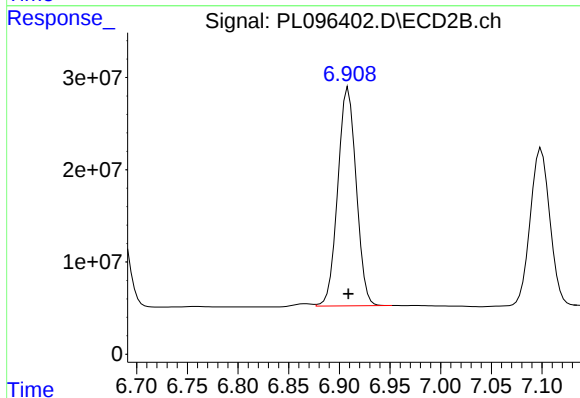
#21 Endrin ketone

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 153435877
Conc: 46.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168853BS

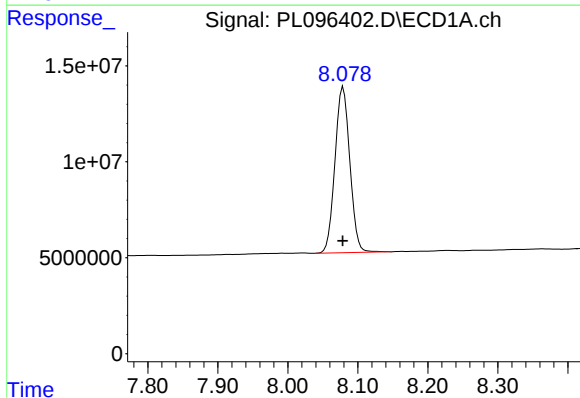
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/17/2025
Supervised By :mohammad ahmed 07/19/2025



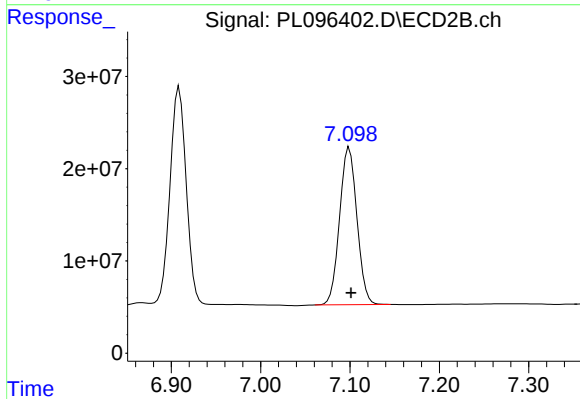
#21 Endrin ketone

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 299123839
Conc: 47.84 ng/ml



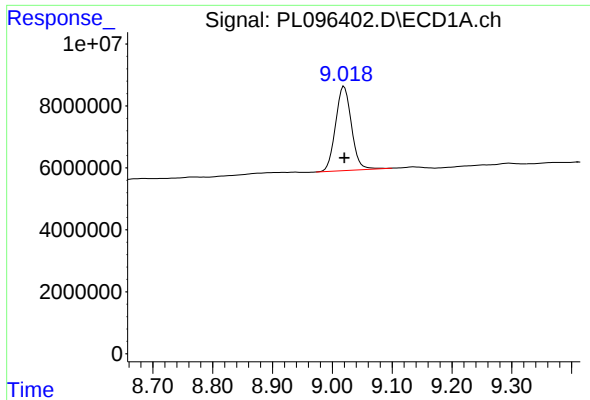
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 127627268
Conc: 45.87 ng/ml



#22 Mirex

R.T.: 7.099 min
Delta R.T.: -0.002 min
Response: 230286210
Conc: 46.35 ng/ml



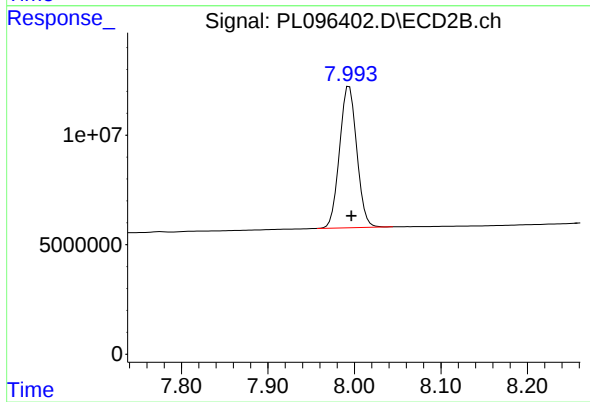
#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 50366008
Conc: 17.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168853BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/17/2025
Supervised By :mohammad ahmed 07/19/2025



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 88896367
Conc: 17.83 ng/ml