

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071625\
 Data File : PD089502.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Jul 2025 13:53
 Operator : AR\AJ
 Sample : Q2612-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 OR-02-071525MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/17/2025
 Supervised By :mohammad ahmed 07/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 17 01:43:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 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 x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.879	45738654	317.5E6	16.031	18.729m
2)	SA Decachlor...	9.069	8.067	46538230	208.4E6	11.849m	10.543m
Target Compounds							
2)	A alpha-BHC	3.998	3.390	256.6E6	1264.8E6	44.025	47.198m
3)	MA gamma-BHC...	4.329	3.726	247.6E6	1152.0E6	44.352	46.534m
4)	MA Heptachlor	4.927	4.081	228.5E6	1114.7E6	41.911	44.518
5)	MB Aldrin	5.270	4.366	222.3E6	1093.4E6	41.843	45.149
6)	B beta-BHC	4.515	4.024	90978606	495.4E6	41.220	46.103
7)	B delta-BHC	4.763	4.260	231.4E6	1128.7E6	45.084	45.376
8)	B Heptachlo...	5.689	4.870	192.5E6	985.0E6	39.911	44.983
9)	A Endosulfan I	6.073	5.245	180.5E6	870.3E6	40.052	41.756
10)	B gamma-Chl...	5.944	5.122	197.4E6	1066.7E6	41.219	44.590m
11)	B alpha-Chl...	6.025	5.188	204.2E6	1004.4E6	42.208	43.866
12)	B 4,4'-DDE	6.194	5.372	168.4E6	935.0E6	38.603	40.800
13)	MA Dieldrin	6.345	5.510	185.9E6	1001.8E6	38.744	43.164
14)	MA Endrin	6.573	5.786	157.6E6	828.0E6	38.197	38.132
15)	B Endosulfa...	6.785	6.078	151.2E6	770.3E6	37.454	38.142
16)	A 4,4'-DDD	6.702	5.927	137.7E6	701.8E6	40.127m	36.690
17)	MA 4,4'-DDT	7.019	6.180	133.2E6	723.0E6	35.166	35.653
18)	B Endrin al...	6.913	6.256	112.7E6	569.3E6	36.768	37.181
19)	B Endosulfa...	7.147	6.479	140.8E6	709.2E6	36.706	36.146
20)	A Methoxychlor	7.491	6.751	62362149	334.2E6	30.863	31.039
21)	B Endrin ke...	7.629	6.988	144.8E6	687.4E6	35.554	31.822
22)	Mirex	8.112	7.182	106.2E6	524.3E6	34.941	31.437

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

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Data File : PD089502.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2025 13:53
Operator : AR\AJ
Sample : Q2612-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

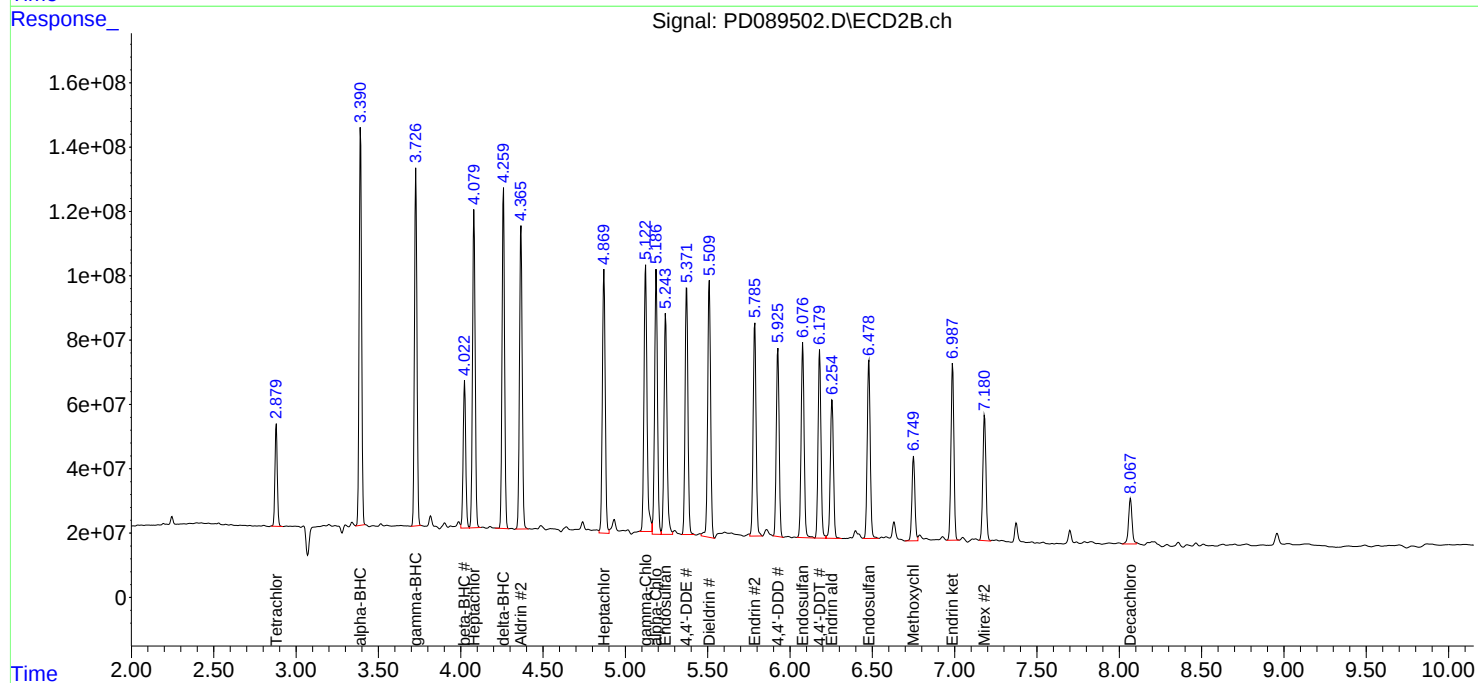
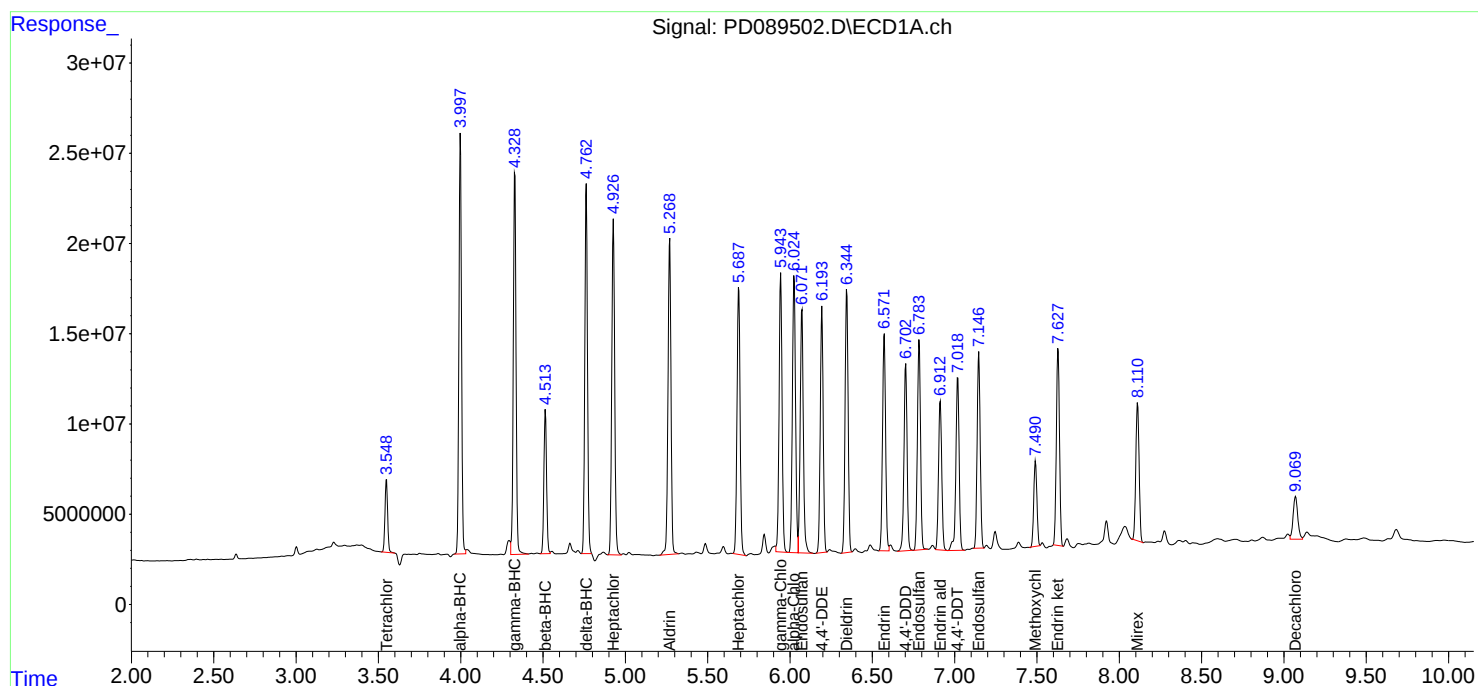
Instrument :
ECD_D
ClientSampleId :
OR-02-071525MSD

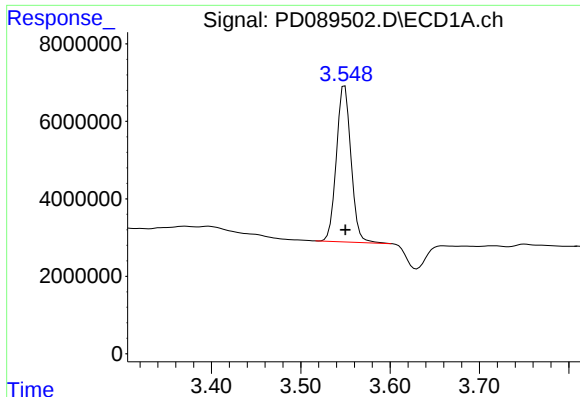
Manual Integrations
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Supervised By :mohammad ahmed 07/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 01:43:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 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 x 0.25µm





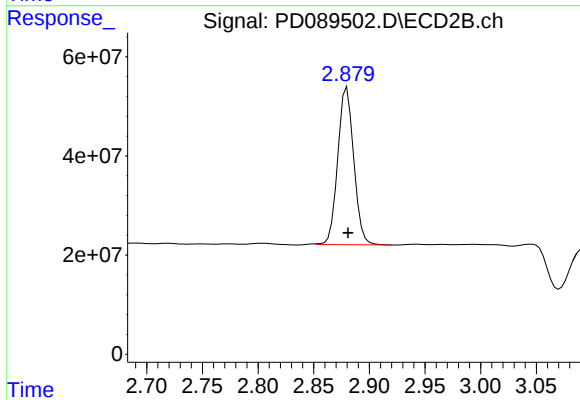
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 45738654
Conc: 16.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-02-071525MSD

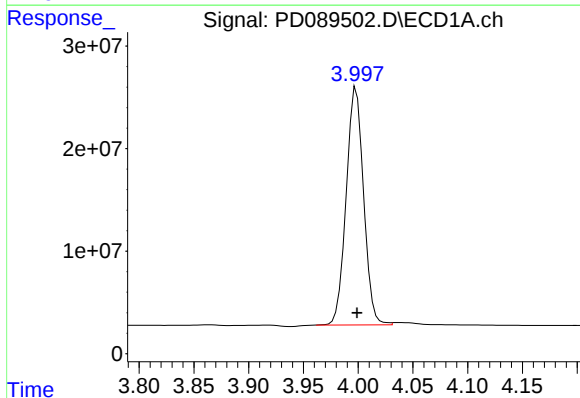
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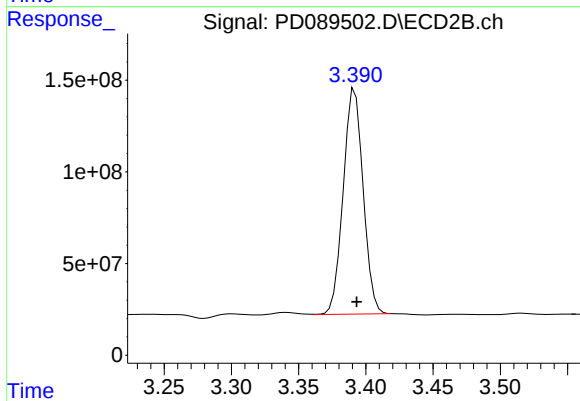
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 317511254
Conc: 18.73 ng/ml m



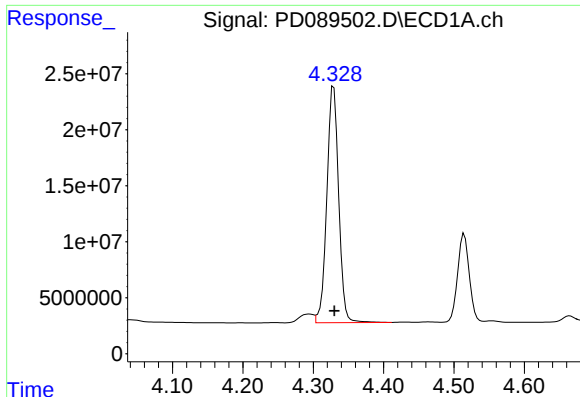
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 256624533
Conc: 44.02 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: -0.003 min
Response: 1264767538
Conc: 47.20 ng/ml m



#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 247557005
Conc: 44.35 ng/ml

Instrument :

ECD_D

ClientSampleId :

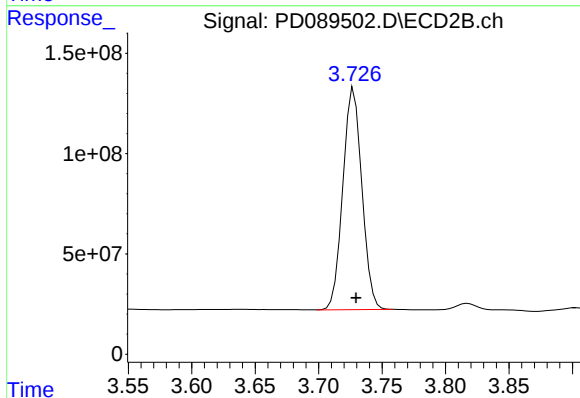
OR-02-071525MSD

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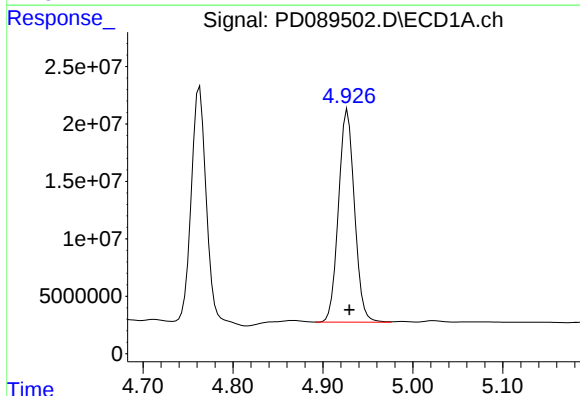
Reviewed By :Abdul Mirza 07/17/2025

Supervised By :mohammad ahmed 07/18/2025



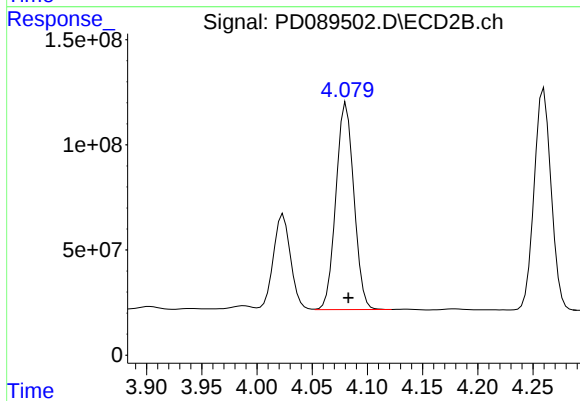
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: -0.003 min
Response: 1152031842
Conc: 46.53 ng/ml m



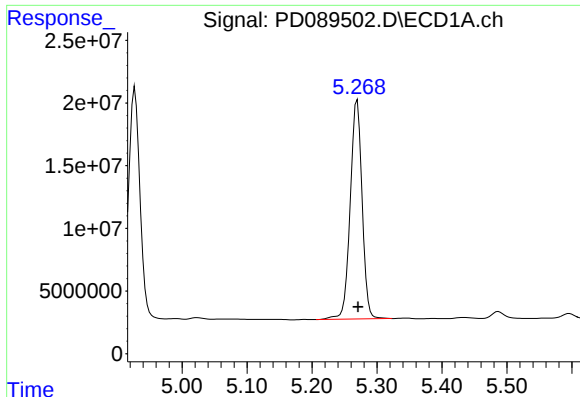
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: -0.002 min
Response: 228495794
Conc: 41.91 ng/ml



#4 Heptachlor

R.T.: 4.081 min
Delta R.T.: -0.002 min
Response: 1114661193
Conc: 44.52 ng/ml



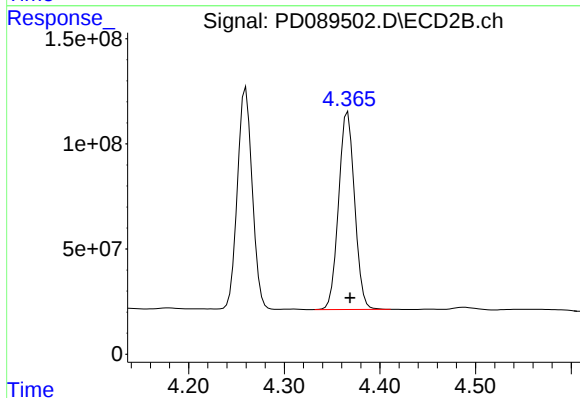
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: -0.001 min
Response: 222309961
Conc: 41.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-02-071525MSD

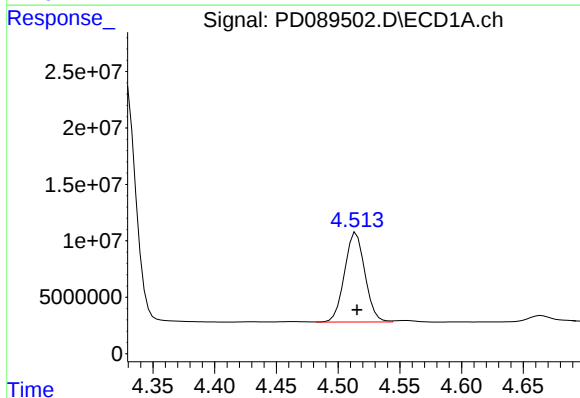
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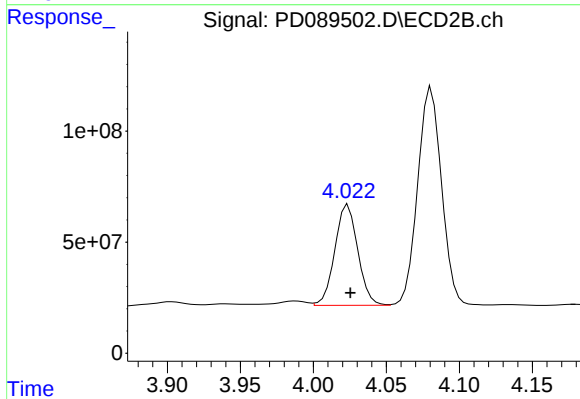
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: -0.002 min
Response: 1093384495
Conc: 45.15 ng/ml



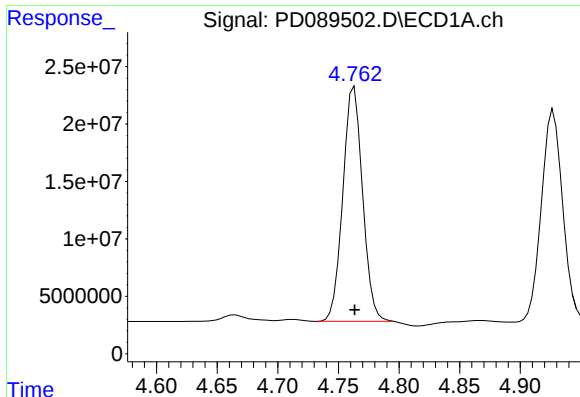
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 90978606
Conc: 41.22 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.002 min
Response: 495432211
Conc: 46.10 ng/ml



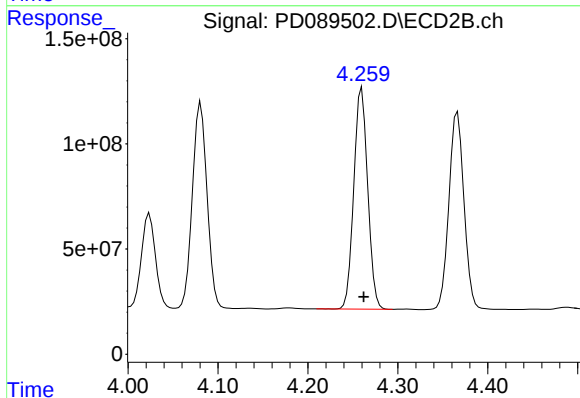
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 231409708
Conc: 45.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-02-071525MSD

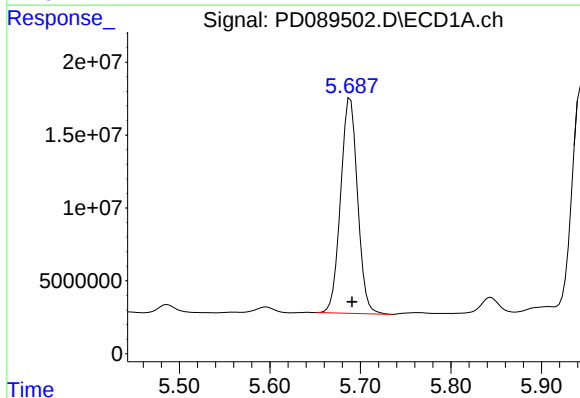
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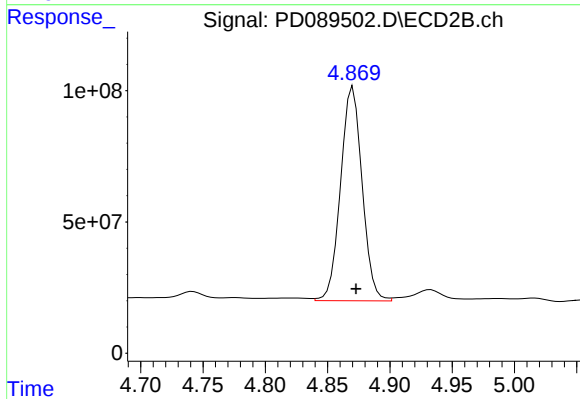
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: -0.002 min
Response: 1128665281
Conc: 45.38 ng/ml



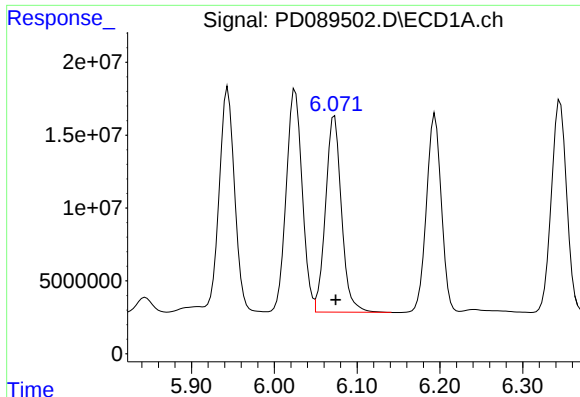
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: -0.002 min
Response: 192527935
Conc: 39.91 ng/ml



#8 Heptachlor epoxide

R.T.: 4.870 min
Delta R.T.: -0.002 min
Response: 985046623
Conc: 44.98 ng/ml



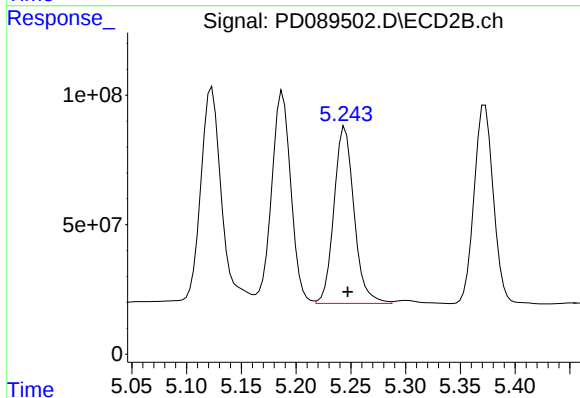
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: -0.001 min
Response: 180532866
Conc: 40.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-02-071525MSD

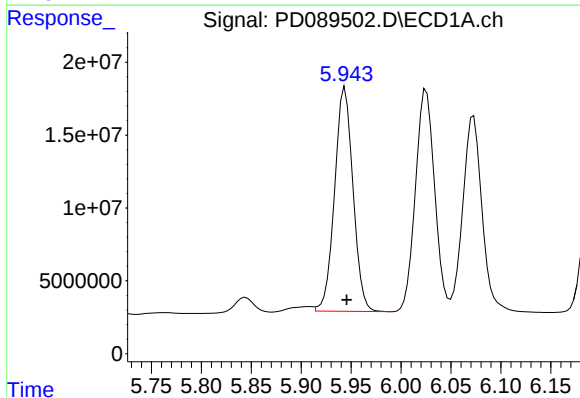
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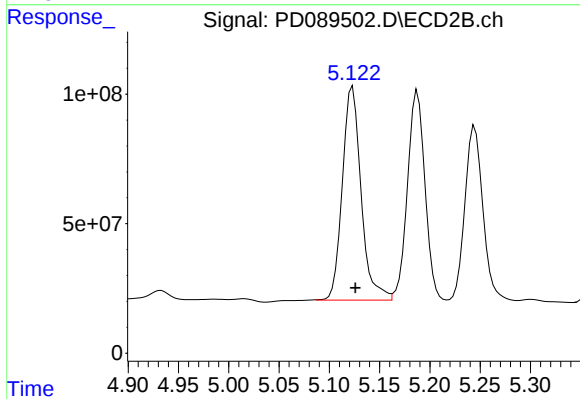
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: -0.002 min
Response: 870288938
Conc: 41.76 ng/ml



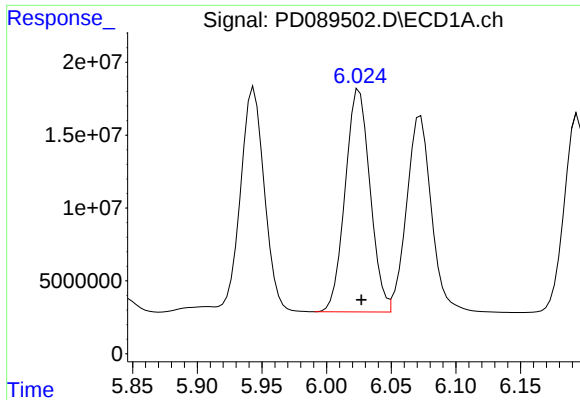
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: -0.002 min
Response: 197361389
Conc: 41.22 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: -0.004 min
Response: 1066722319
Conc: 44.59 ng/ml m



#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: -0.002 min
Response: 204225847
Conc: 42.21 ng/ml

Instrument :

ECD_D

ClientSampleId :

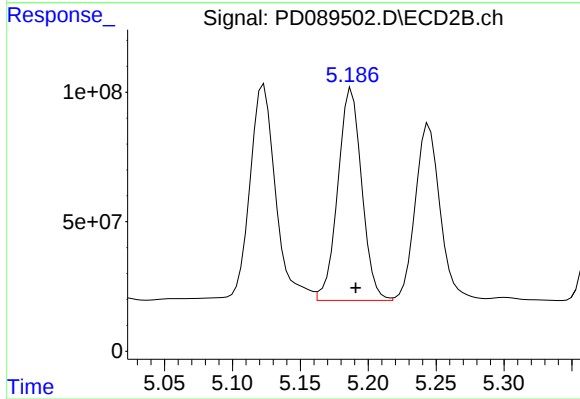
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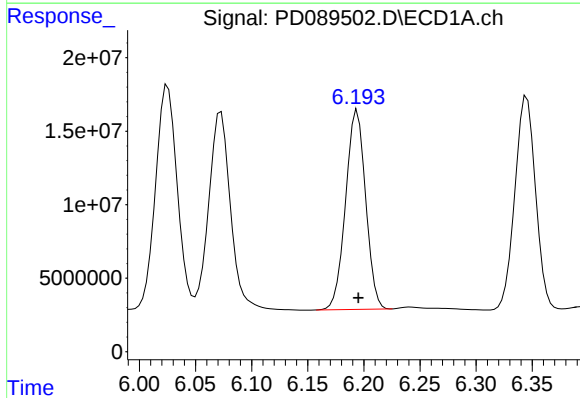
Reviewed By :Abdul Mirza 07/17/2025

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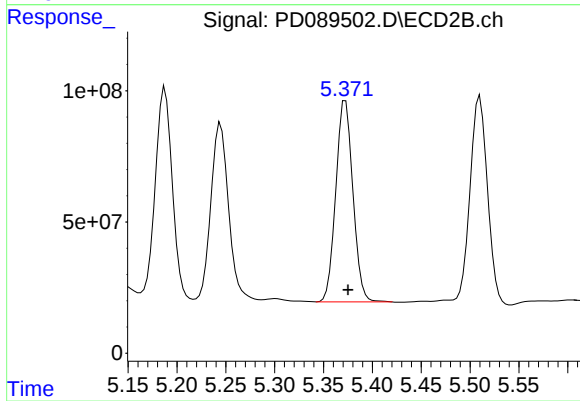
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.003 min
Response: 1004391468
Conc: 43.87 ng/ml



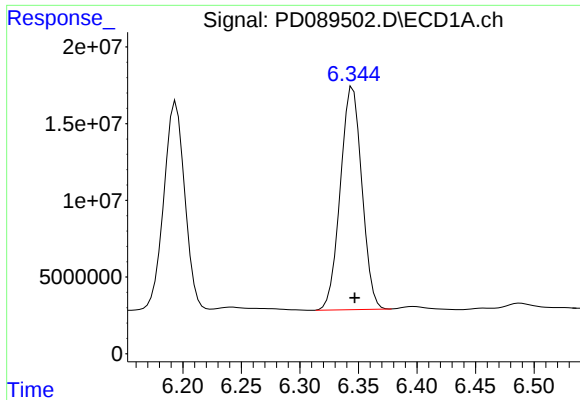
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.001 min
Response: 168350722
Conc: 38.60 ng/ml



#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: -0.003 min
Response: 934985163
Conc: 40.80 ng/ml



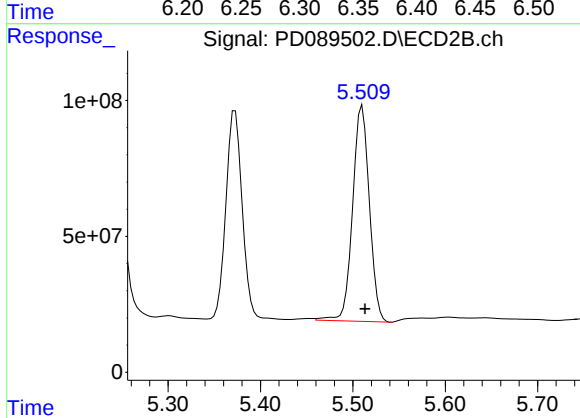
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: -0.002 min
Response: 185872710
Conc: 38.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-02-071525MSD

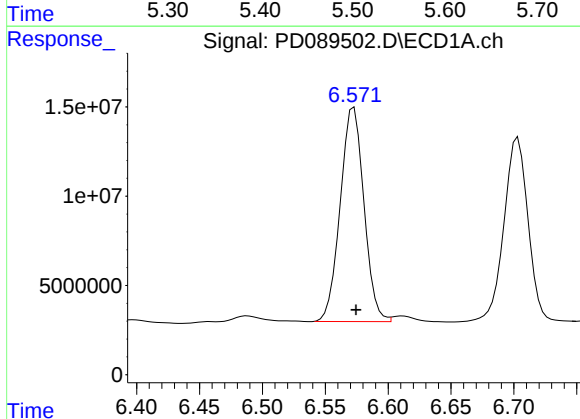
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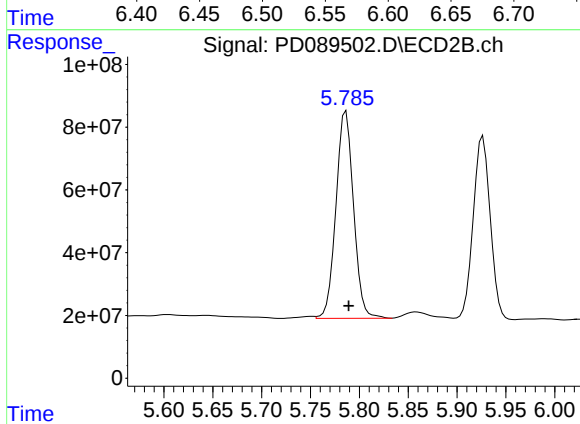
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: -0.003 min
Response: 1001764678
Conc: 43.16 ng/ml



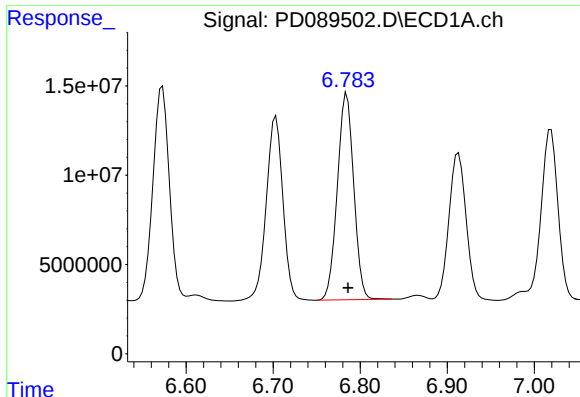
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.002 min
Response: 157584245
Conc: 38.20 ng/ml



#14 Endrin

R.T.: 5.786 min
Delta R.T.: -0.003 min
Response: 827989437
Conc: 38.13 ng/ml



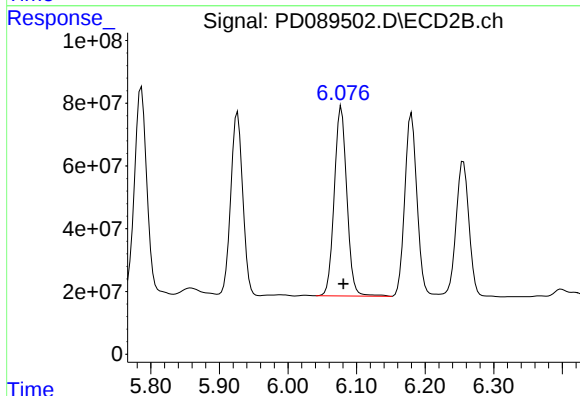
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: -0.002 min
Response: 151186579
Conc: 37.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
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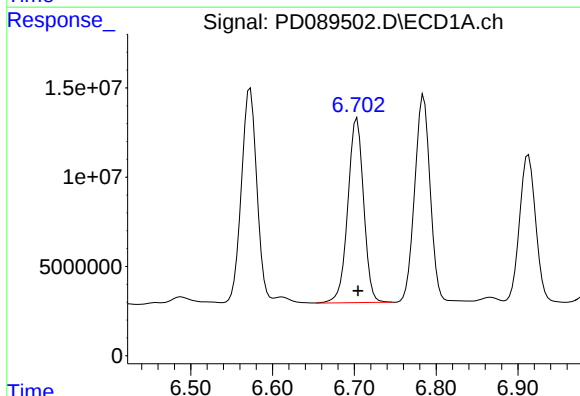
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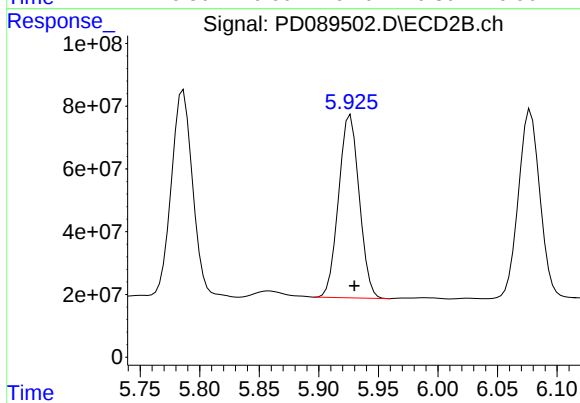
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: -0.003 min
Response: 770345975
Conc: 38.14 ng/ml



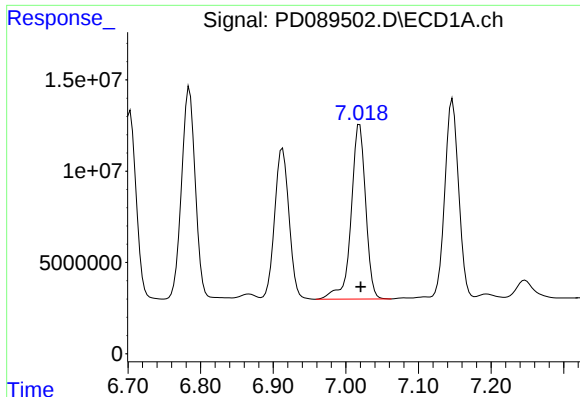
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.003 min
Response: 137718724
Conc: 40.13 ng/ml m



#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: -0.003 min
Response: 701849173
Conc: 36.69 ng/ml



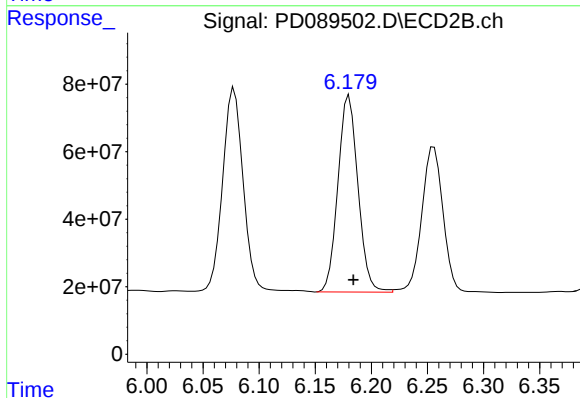
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: -0.001 min
Response: 133217138
Conc: 35.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-02-071525MSD

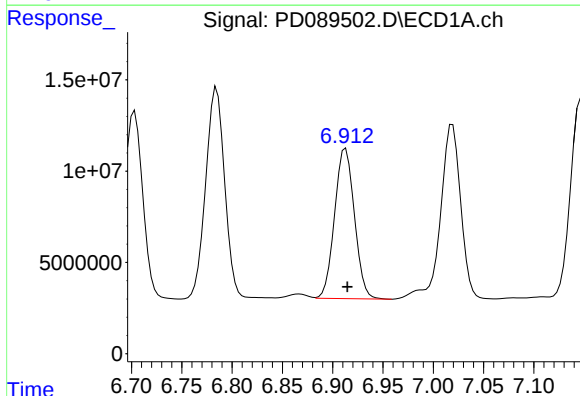
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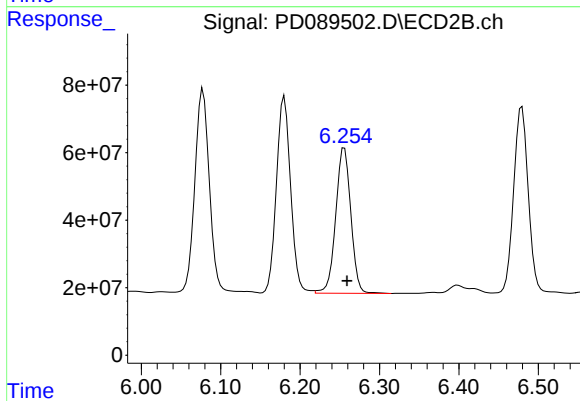
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: -0.004 min
Response: 723027511
Conc: 35.65 ng/ml



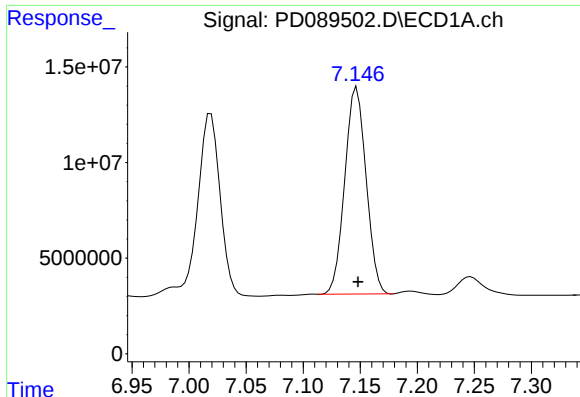
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: -0.002 min
Response: 112654816
Conc: 36.77 ng/ml



#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.003 min
Response: 569284903
Conc: 37.18 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.147 min
Delta R.T.: -0.001 min
Response: 140847358
Conc: 36.71 ng/ml

Instrument :

ECD_D

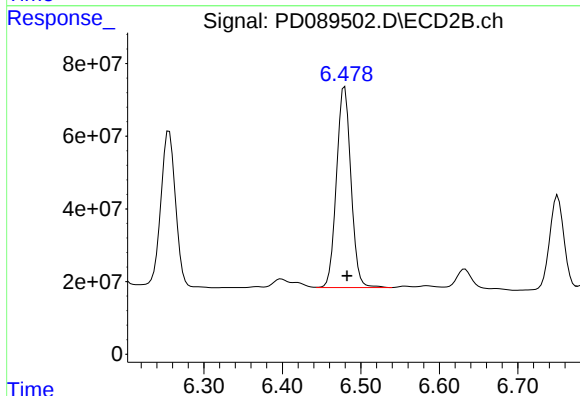
ClientSampleId :

OR-02-071525MSD

Manual Integrations

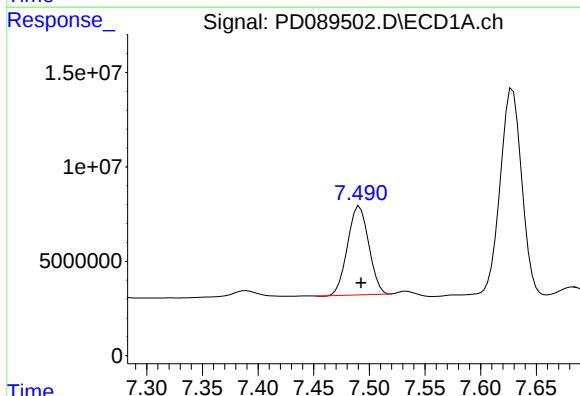
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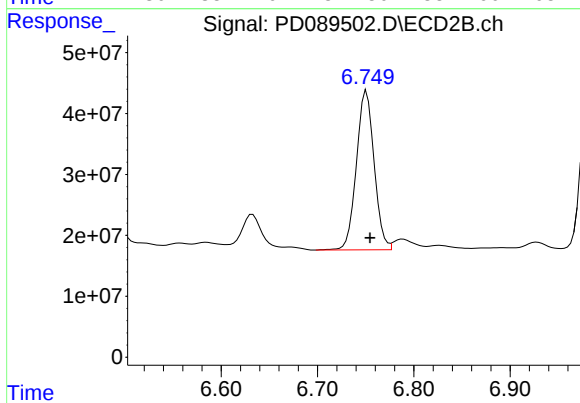
#19 Endosulfan Sulfate

R.T.: 6.479 min
Delta R.T.: -0.003 min
Response: 709231376
Conc: 36.15 ng/ml



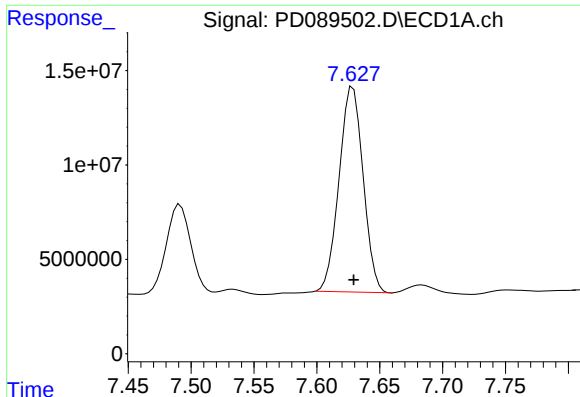
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: -0.001 min
Response: 62362149
Conc: 30.86 ng/ml



#20 Methoxychlor

R.T.: 6.751 min
Delta R.T.: -0.004 min
Response: 334226175
Conc: 31.04 ng/ml



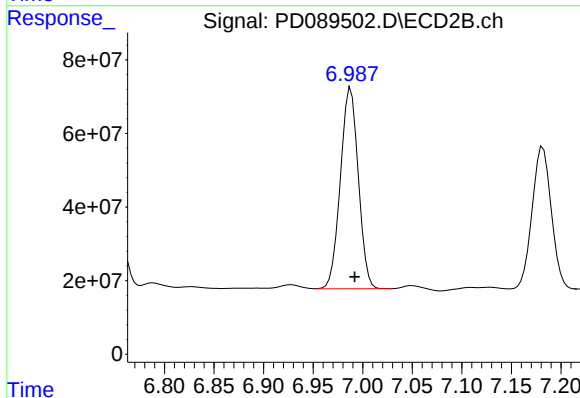
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 144812754
Conc: 35.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-02-071525MSD

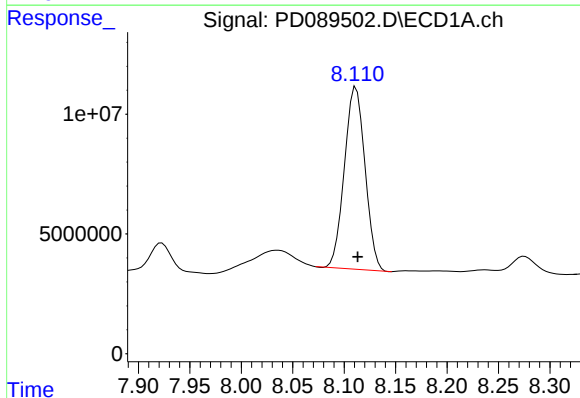
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/17/2025
Supervised By :mohammad ahmed 07/18/2025



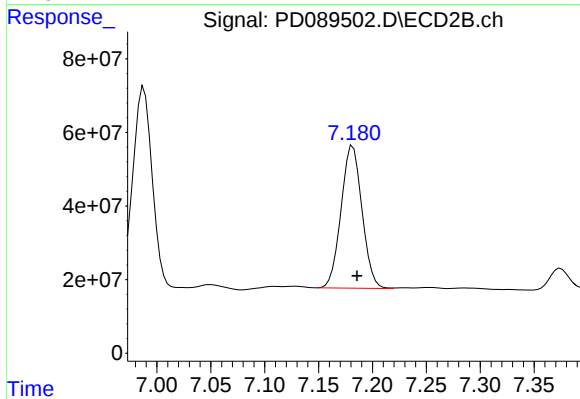
#21 Endrin ketone

R.T.: 6.988 min
Delta R.T.: -0.004 min
Response: 687409628
Conc: 31.82 ng/ml



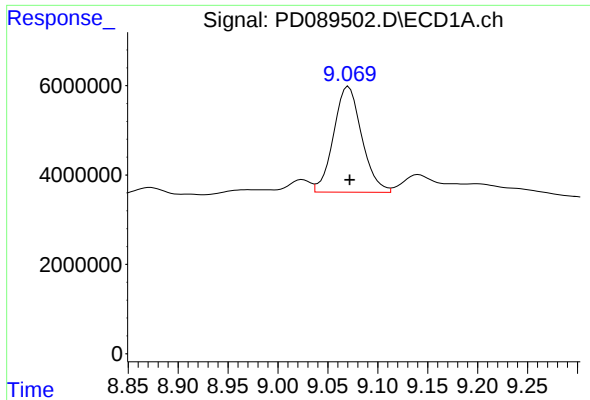
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.002 min
Response: 106224301
Conc: 34.94 ng/ml



#22 Mirex

R.T.: 7.182 min
Delta R.T.: -0.004 min
Response: 524308891
Conc: 31.44 ng/ml



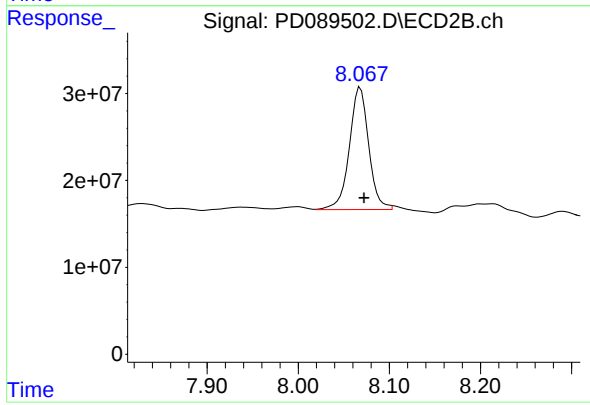
#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.003 min
Response: 46538230
Conc: 11.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
OR-02-071525MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/17/2025
Supervised By :mohammad ahmed 07/18/2025



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.005 min
Response: 208430330
Conc: 10.54 ng/ml m