

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091625\
 Data File : PD090292.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Sep 2025 13:01
 Operator : AR\AJ
 Sample : PB169698BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169698BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/17/2025
 Supervised By :mohammad ahmed 09/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 17 02:47:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 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...	3.545	2.876	54972014	513.5E6	18.731m	23.287
28)	SA Decachlor...	9.066	8.063	100.5E6	674.5E6	23.279	26.058
Target Compounds							
2)	A alpha-BHC	3.996	3.388	275.8E6	1762.8E6	45.951	51.942
3)	MA gamma-BHC...	4.325	3.724	259.9E6	1636.8E6	45.379m	52.510
4)	MA Heptachlor	4.925	4.076	264.2E6	1636.3E6	47.105	52.461
5)	MB Aldrin	5.266	4.362	253.6E6	1614.6E6	46.839m	53.015
6)	B beta-BHC	4.514	4.020	99405878	690.0E6	44.318	51.759
7)	B delta-BHC	4.762	4.256	257.1E6	1635.9E6	49.659	51.853
8)	B Heptachlo...	5.686	4.865	228.5E6	1459.2E6	46.563	52.689
9)	A Endosulfan I	6.070	5.239	213.0E6	1377.5E6	46.148	52.534
10)	B gamma-Chl...	5.942	5.118	227.2E6	1583.4E6	46.445	53.473
11)	B alpha-Chl...	6.021	5.183	227.4E6	1520.5E6	46.203m	53.280
12)	B 4,4'-DDE	6.192	5.367	208.0E6	1547.7E6	47.408	53.698
13)	MA Dieldrin	6.342	5.505	232.3E6	1568.9E6	47.439m	53.571
14)	MA Endrin	6.569	5.780	196.2E6	1433.1E6	47.361m	53.810m
15)	B Endosulfa...	6.783	6.072	191.1E6	1361.9E6	45.278	53.842
16)	A 4,4'-DDD	6.702	5.921	165.7E6	1306.7E6	47.890	54.346
17)	MA 4,4'-DDT	7.016	6.175	172.3E6	1380.3E6	45.230m	55.057
18)	B Endrin al...	6.911	6.251	144.7E6	1013.1E6	50.480	58.835
19)	B Endosulfa...	7.144	6.474	182.9E6	1306.5E6	46.664m	53.591
20)	A Methoxychlor	7.490	6.746	95115056	686.6E6	47.424	53.246
21)	B Endrin ke...	7.627	6.983	199.9E6	1424.7E6	48.235	53.469
22)	Mirex	8.108	7.177	145.9E6	1108.4E6	46.242	53.659

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091625\
Data File : PD090292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Sep 2025 13:01
Operator : AR\AJ
Sample : PB169698BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB169698BS

Manual Integrations

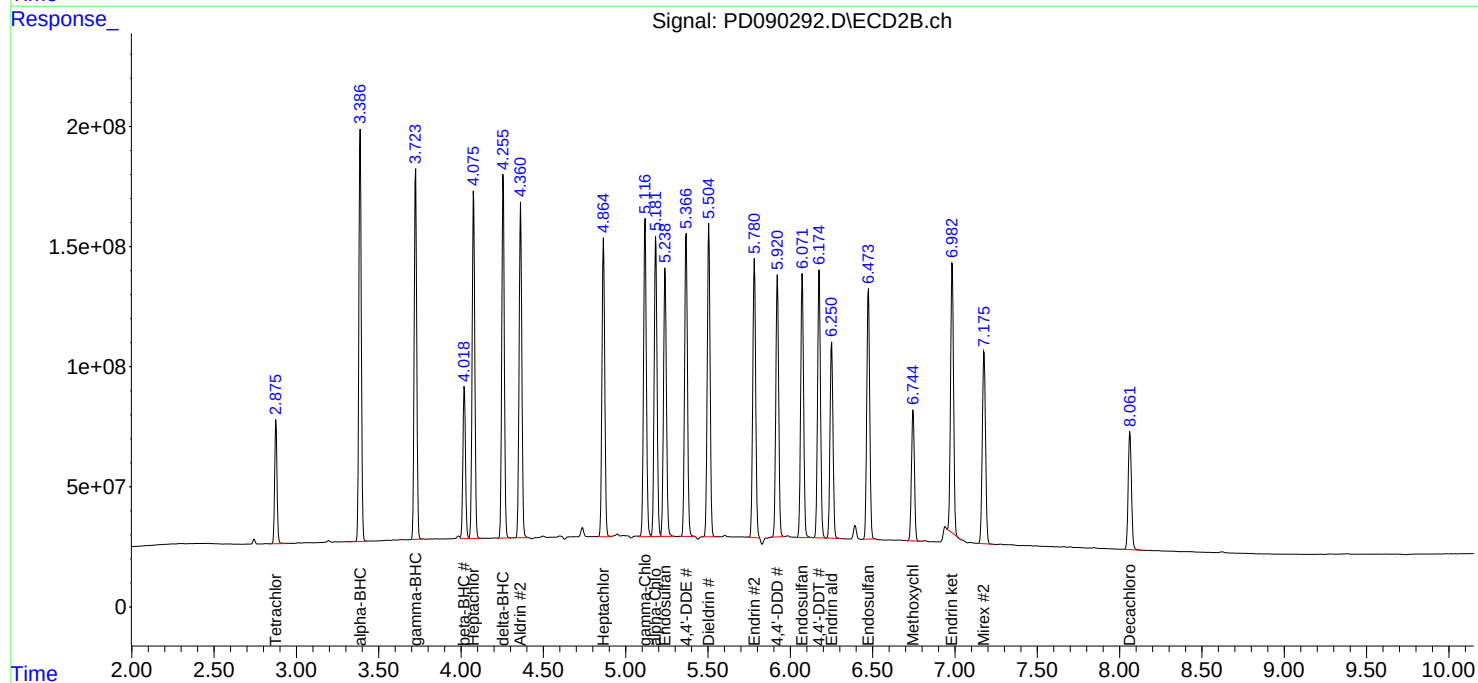
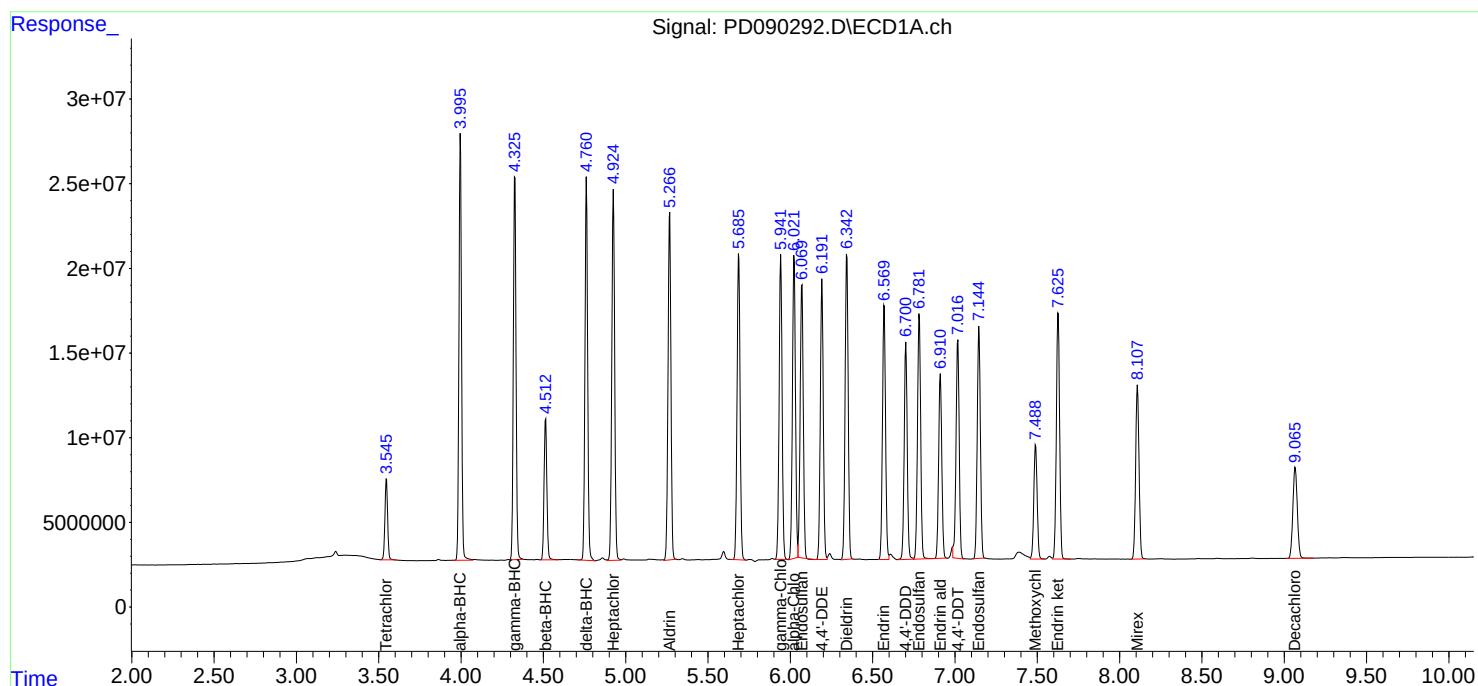
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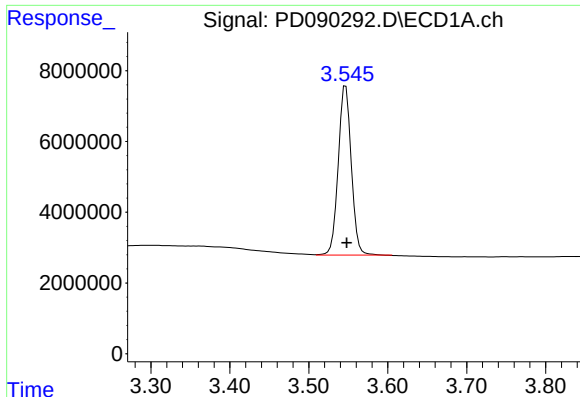
Reviewed By :Abdul Mirza 09/17/2025

Supervised By :mohammad ahmed 09/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 17 02:47:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 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





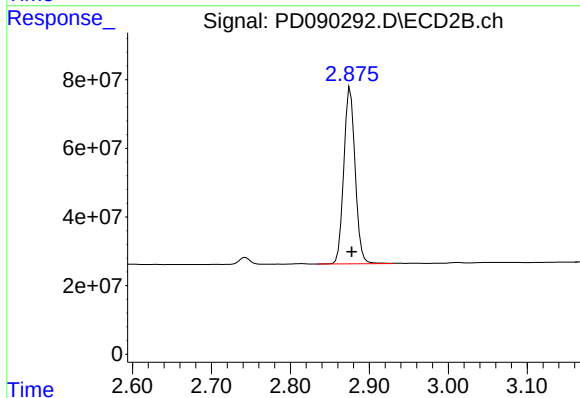
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: -0.003 min
Response: 54972014
Conc: 18.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169698BS

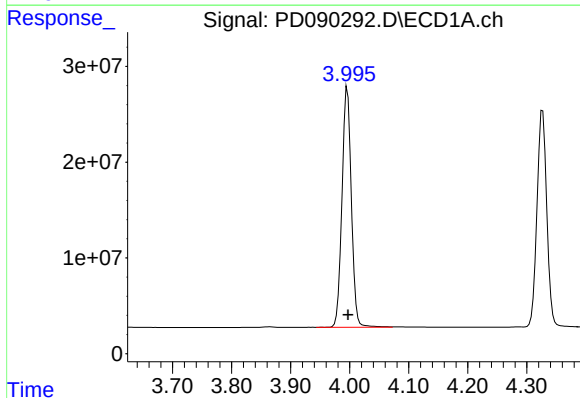
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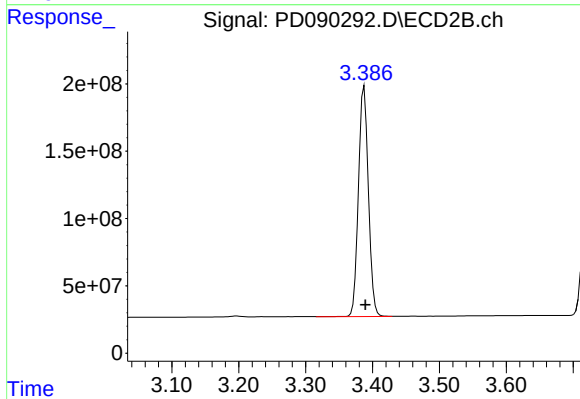
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.002 min
Response: 513482690
Conc: 23.29 ng/ml



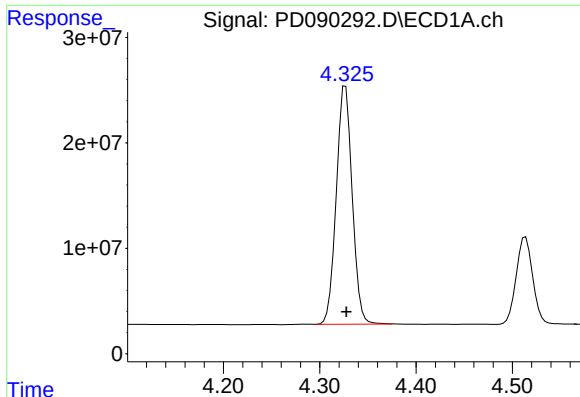
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 275808914
Conc: 45.95 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: -0.002 min
Response: 1762847894
Conc: 51.94 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.002 min
Response: 259877385
Conc: 45.38 ng/ml

Instrument :

ECD_D

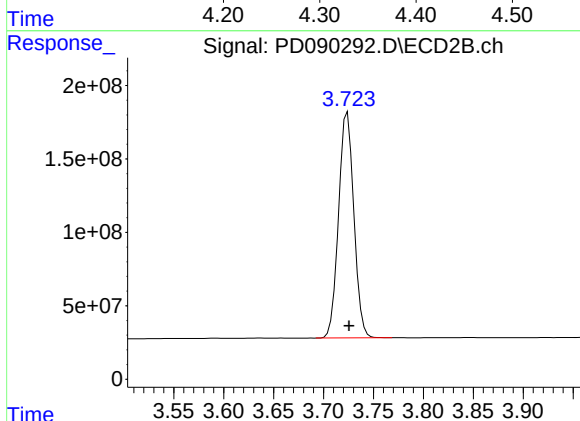
ClientSampleId :

PB169698BS

Manual Integrations

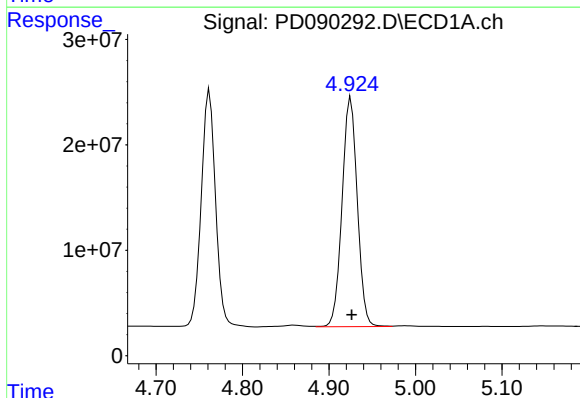
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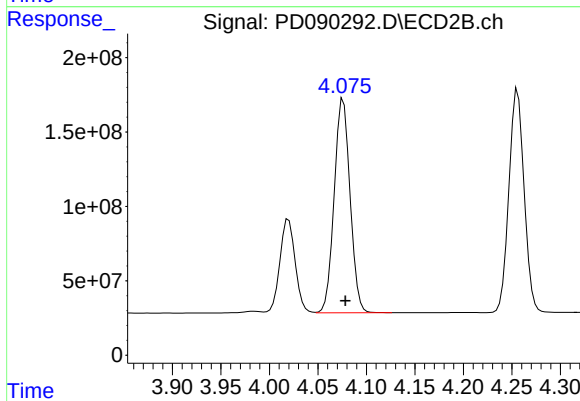
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: -0.002 min
Response: 1636775715
Conc: 52.51 ng/ml



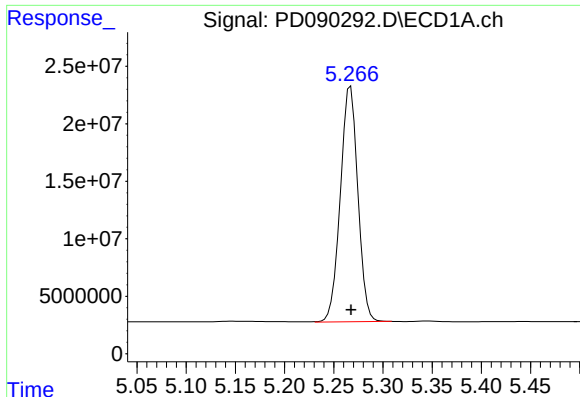
#4 Heptachlor

R.T.: 4.925 min
Delta R.T.: -0.001 min
Response: 264220681
Conc: 47.11 ng/ml



#4 Heptachlor

R.T.: 4.076 min
Delta R.T.: -0.002 min
Response: 1636338283
Conc: 52.46 ng/ml



#5 Aldrin

R.T.: 5.266 min
Delta R.T.: -0.002 min
Response: 253611949
Conc: 46.84 ng/ml

Instrument :

ECD_D

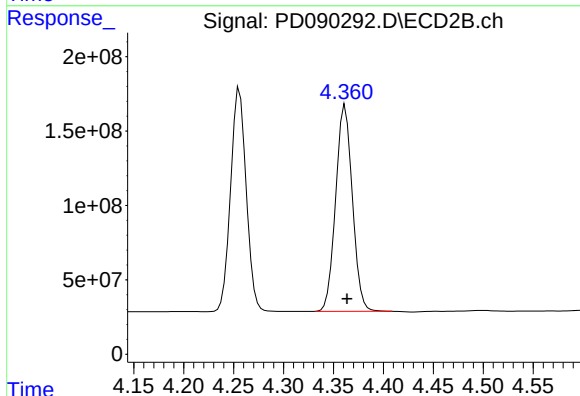
ClientSampleId :

PB169698BS

Manual Integrations

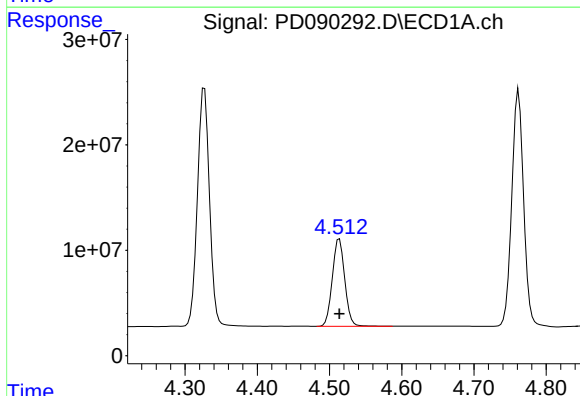
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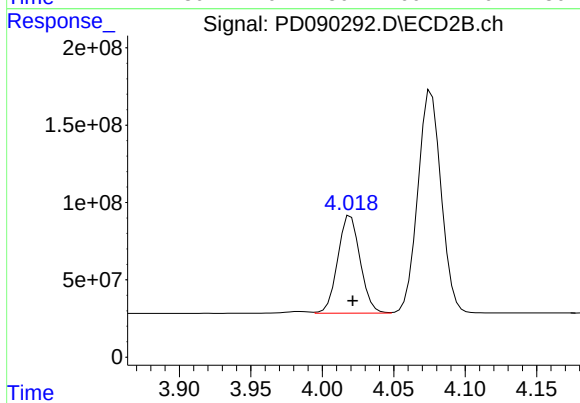
#5 Aldrin

R.T.: 4.362 min
Delta R.T.: -0.002 min
Response: 1614594224
Conc: 53.01 ng/ml



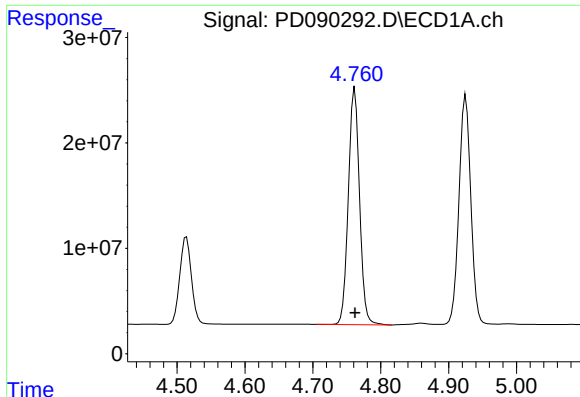
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 99405878
Conc: 44.32 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: -0.002 min
Response: 689950927
Conc: 51.76 ng/ml



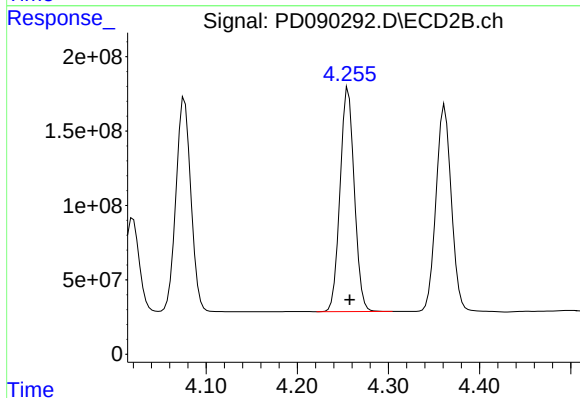
#7 delta-BHC

R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 257121736
Conc: 49.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169698BS

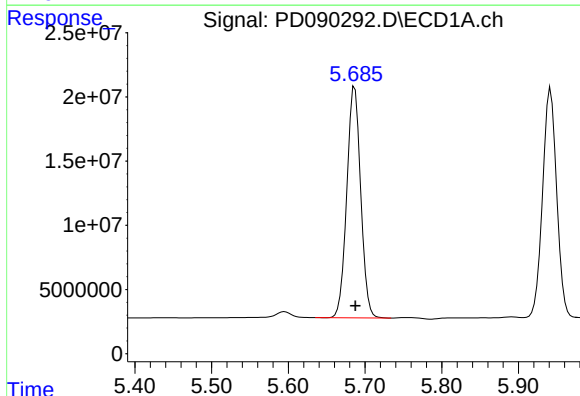
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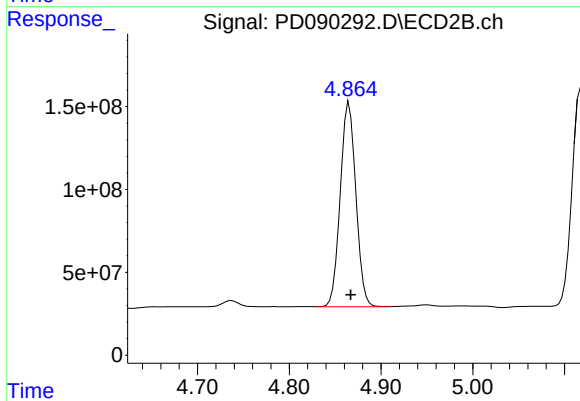
#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: -0.002 min
Response: 1635949373
Conc: 51.85 ng/ml



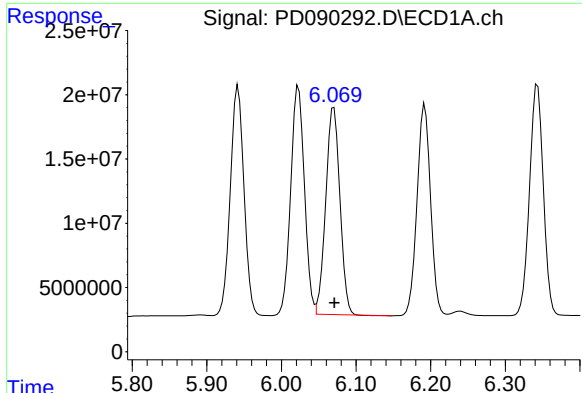
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 228476172
Conc: 46.56 ng/ml



#8 Heptachlor epoxide

R.T.: 4.865 min
Delta R.T.: -0.002 min
Response: 1459217831
Conc: 52.69 ng/ml



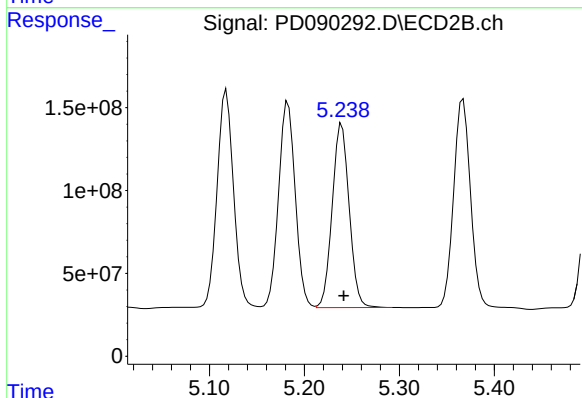
#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 212965709
Conc: 46.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169698BS

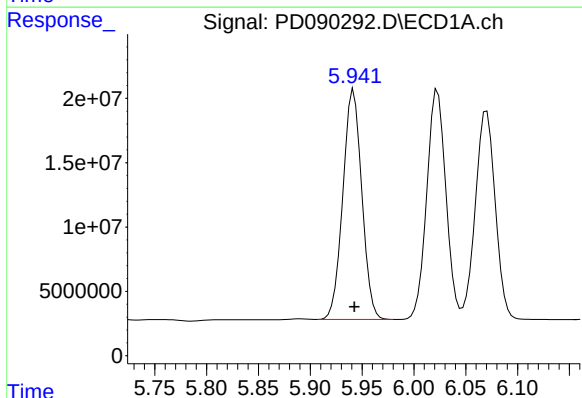
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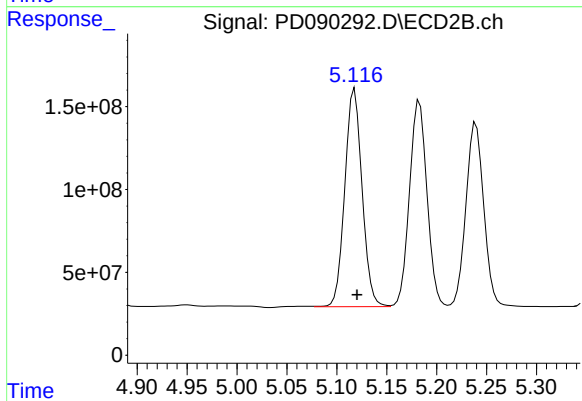
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: -0.002 min
Response: 1377524439
Conc: 52.53 ng/ml



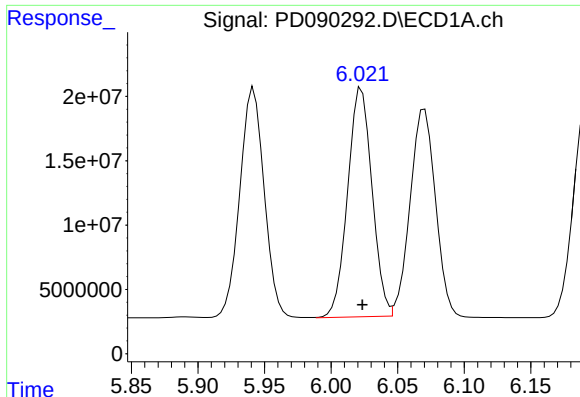
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 227159405
Conc: 46.44 ng/ml



#10 gamma-Chlordane

R.T.: 5.118 min
Delta R.T.: -0.003 min
Response: 1583402833
Conc: 53.47 ng/ml



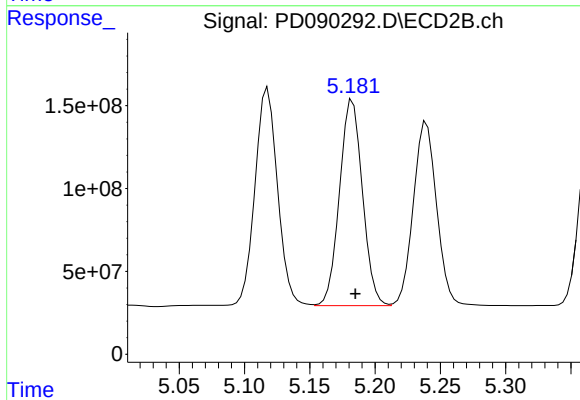
#11 alpha-Chlordane

R.T.: 6.021 min
Delta R.T.: -0.002 min
Response: 227429686
Conc: 46.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169698BS

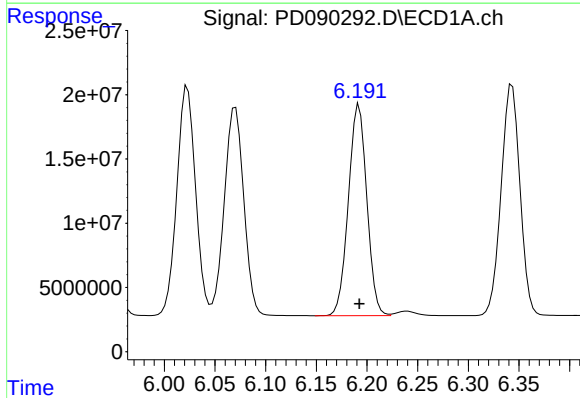
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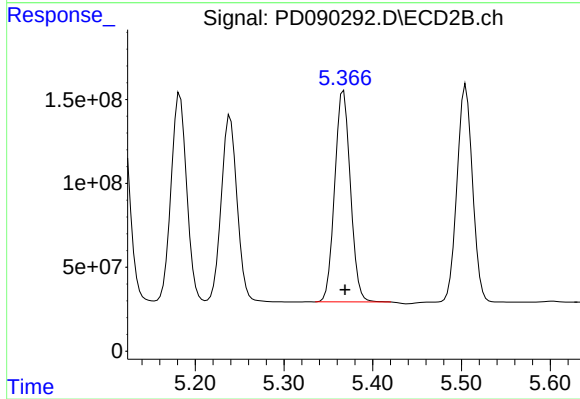
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: -0.002 min
Response: 1520516600
Conc: 53.28 ng/ml



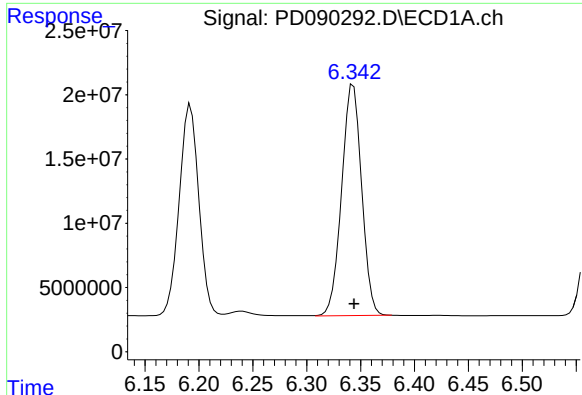
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 208042870
Conc: 47.41 ng/ml



#12 4,4'-DDE

R.T.: 5.367 min
Delta R.T.: -0.002 min
Response: 1547710385
Conc: 53.70 ng/ml



#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: -0.002 min
Response: 232251878
Conc: 47.44 ng/ml

Instrument :

ECD_D

ClientSampleId :

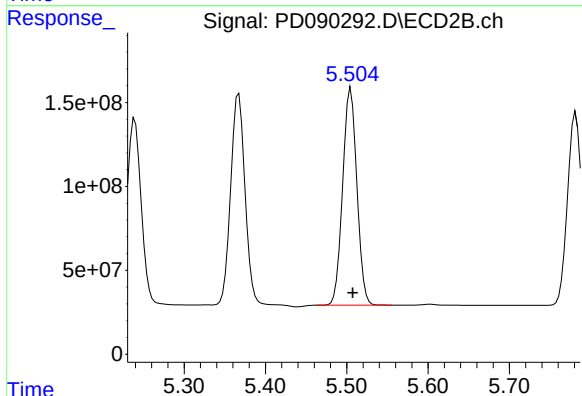
PB169698BS

Manual Integrations

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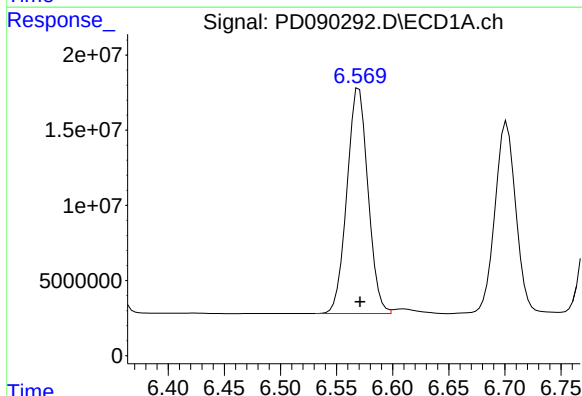
Reviewed By :Abdul Mirza 09/17/2025

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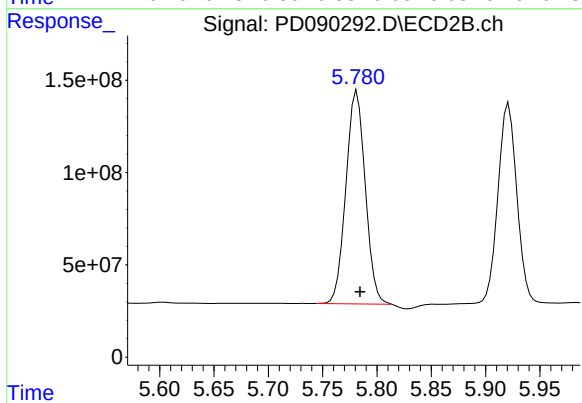
#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: -0.002 min
Response: 1568945155
Conc: 53.57 ng/ml



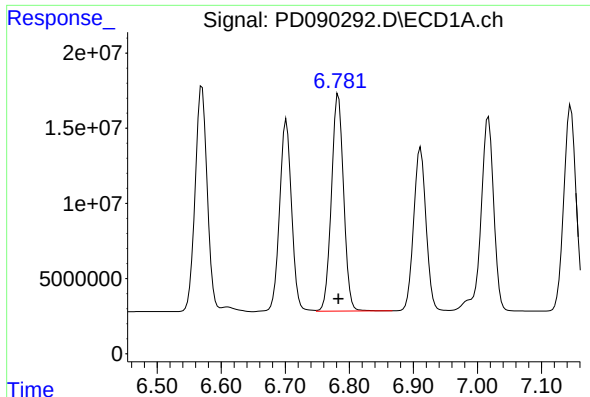
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.002 min
Response: 196242328
Conc: 47.36 ng/ml m



#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.004 min
Response: 1433083468
Conc: 53.81 ng/ml m



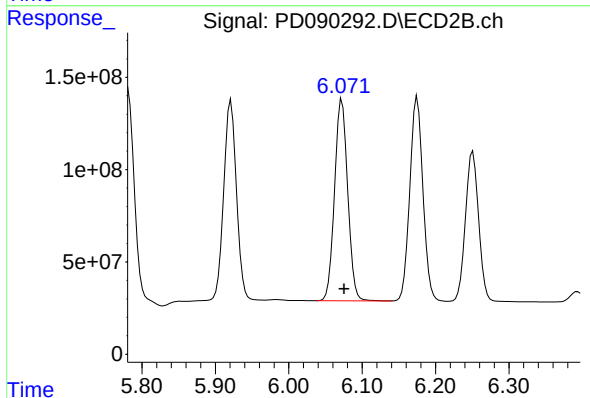
#15 Endosulfan II

R.T.: 6.783 min
Delta R.T.: 0.000 min
Response: 191061212
Conc: 45.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169698BS

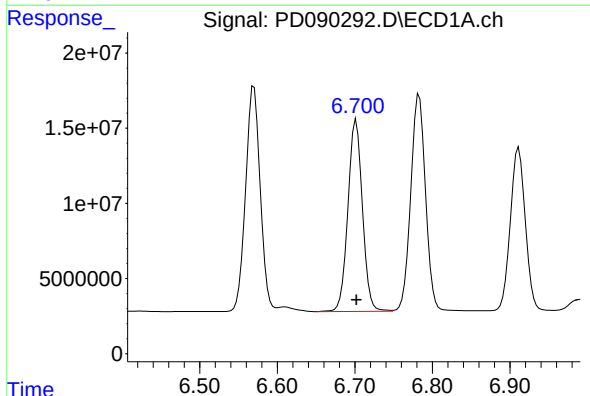
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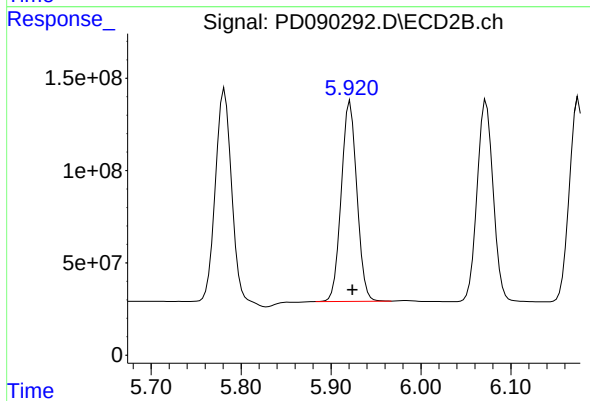
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: -0.003 min
Response: 1361907545
Conc: 53.84 ng/ml



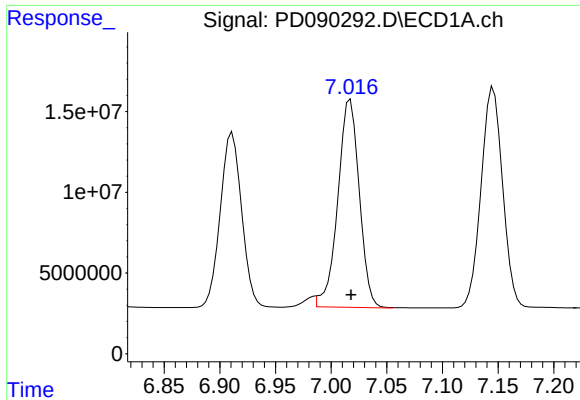
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 165656802
Conc: 47.89 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.003 min
Response: 1306668922
Conc: 54.35 ng/ml



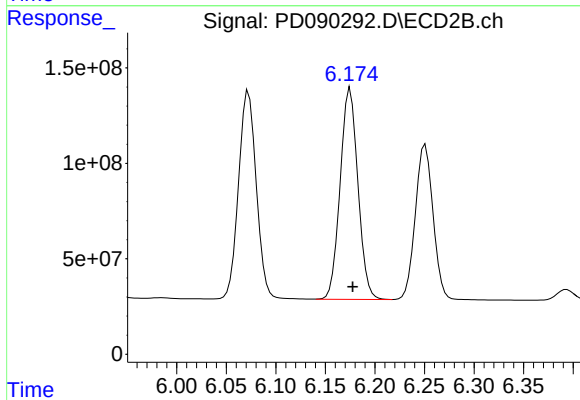
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: -0.002 min
Response: 172312875
Conc: 45.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169698BS

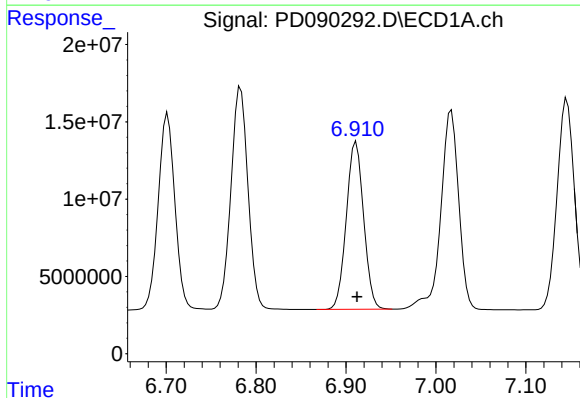
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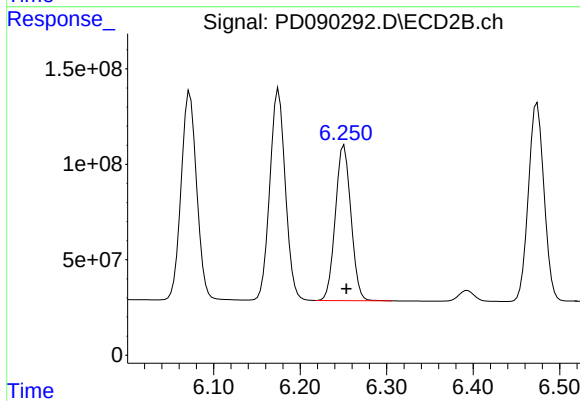
#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: -0.002 min
Response: 1380256478
Conc: 55.06 ng/ml



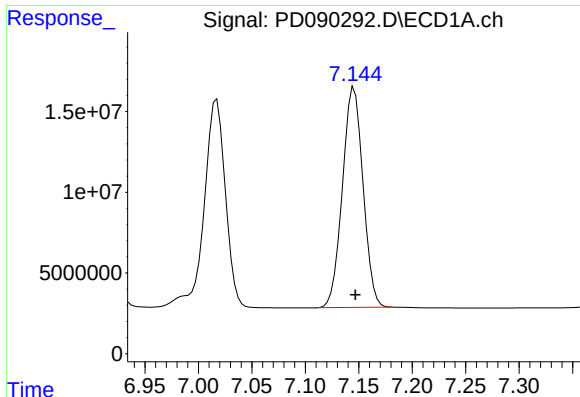
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 144733917
Conc: 50.48 ng/ml



#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: -0.002 min
Response: 1013141381
Conc: 58.84 ng/ml



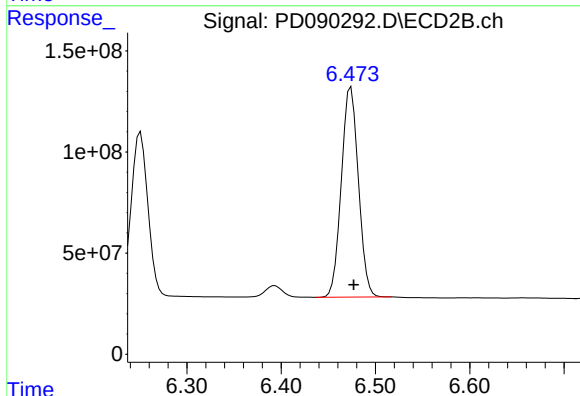
#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: -0.002 min
Response: 182852158
Conc: 46.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169698BS

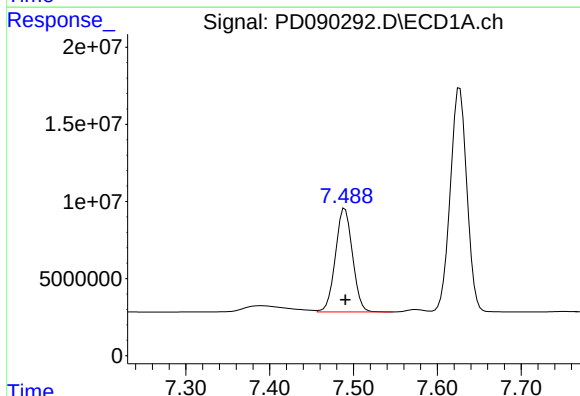
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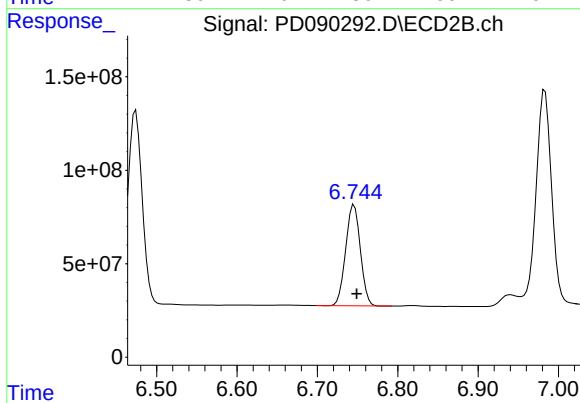
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: -0.003 min
Response: 1306527823
Conc: 53.59 ng/ml



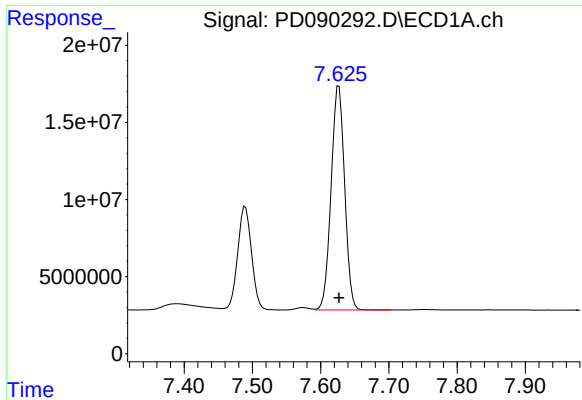
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 95115056
Conc: 47.42 ng/ml



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: -0.003 min
Response: 686642111
Conc: 53.25 ng/ml



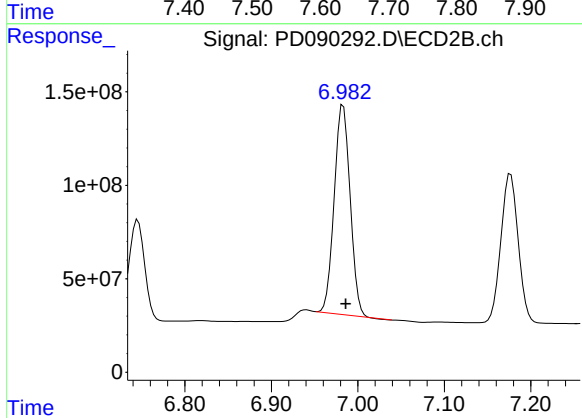
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 199913069
Conc: 48.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169698BS

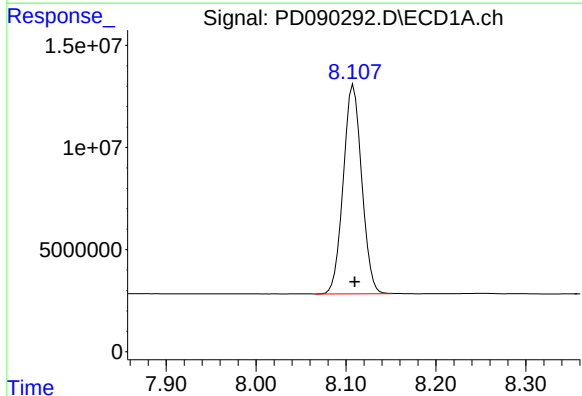
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/17/2025
Supervised By :mohammad ahmed 09/18/2025



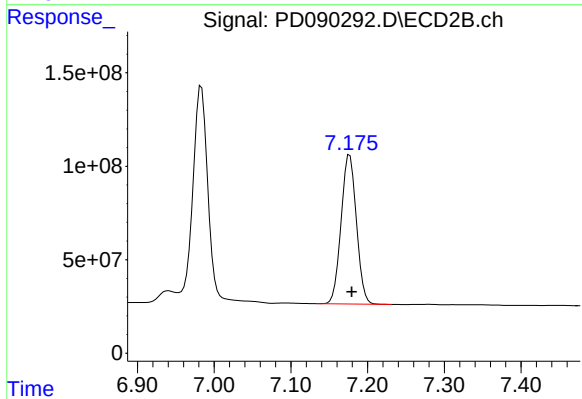
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.003 min
Response: 1424652499
Conc: 53.47 ng/ml



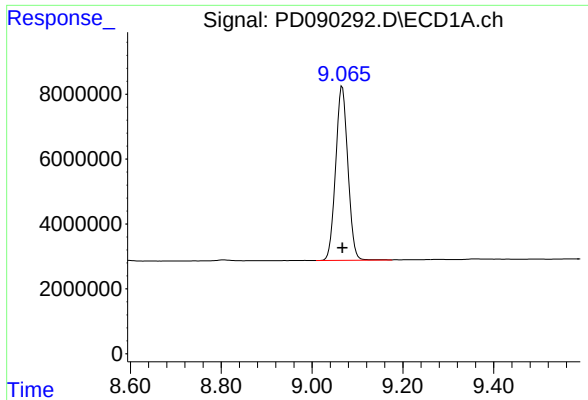
#22 Mirex

R.T.: 8.108 min
Delta R.T.: -0.001 min
Response: 145869899
Conc: 46.24 ng/ml



#22 Mirex

R.T.: 7.177 min
Delta R.T.: -0.003 min
Response: 1108362814
Conc: 53.66 ng/ml



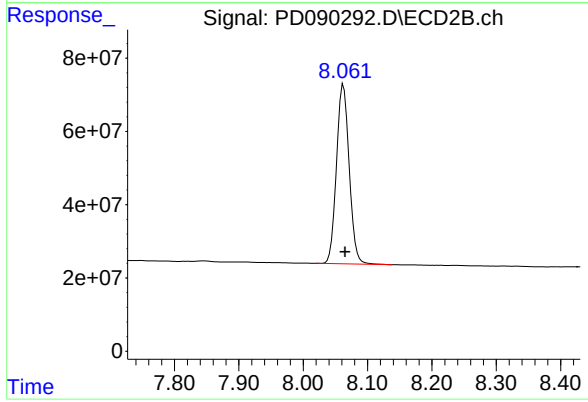
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.000 min
Response: 100471484
Conc: 23.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169698BS

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#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.003 min
Response: 674526808
Conc: 26.06 ng/ml