

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
 Data File : PD090421.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2025 16:20
 Operator : AR\AJ
 Sample : PB169830BSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169830BSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/30/2025
 Supervised By : mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 30 02:31:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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...	3.551	2.875	74947833	668.1E6	23.058	24.338
28)	SA Decachlor...	9.073	8.064	112.4E6	722.2E6	23.296	22.280
Target Compounds							
2)	A alpha-BHC	4.002	3.387	340.5E6	2024.1E6	48.749	46.230
3)	MA gamma-BHC...	4.332	3.723	315.9E6	1878.4E6	47.744	46.111
4)	MA Heptachlor	4.930	4.076	329.1E6	1891.2E6	49.766	46.448
5)	MB Aldrin	5.272	4.362	308.2E6	1842.9E6	48.532	46.147
6)	B beta-BHC	4.519	4.020	117.3E6	789.7E6	45.458	45.557
7)	B delta-BHC	4.766	4.256	315.8E6	1893.2E6	48.902m	45.847
8)	B Heptachlo...	5.691	4.866	274.8E6	1975.1E6	48.079	53.576
9)	A Endosulfan I	6.074	5.239	263.0E6	1498.3E6	48.695m	43.296
10)	B gamma-Chl...	5.947	5.118	266.1E6	1786.1E6	46.584	45.464
11)	B alpha-Chl...	6.026	5.183	269.3E6	1711.6E6	46.748m	45.443
12)	B 4,4'-DDE	6.197	5.367	253.3E6	1763.3E6	48.645	46.064
13)	MA Dieldrin	6.347	5.506	282.2E6	1764.9E6	48.955	45.317
14)	MA Endrin	6.575	5.782	248.1E6	1777.9E6	50.688	49.618
15)	B Endosulfa...	6.786	6.073	235.7E6	1540.4E6	48.318m	45.641
16)	A 4,4'-DDD	6.707	5.922	211.1E6	1469.0E6	51.508	45.301
17)	MA 4,4'-DDT	7.022	6.176	227.1E6	1571.9E6	51.009	45.723
18)	B Endrin al...	6.915	6.252	170.1E6	1119.7E6	49.585m	47.553
19)	B Endosulfa...	7.151	6.476	220.9E6	1475.0E6	48.014	45.121
20)	A Methoxychlor	7.493	6.747	128.7E6	785.5E6	54.599m	45.144
21)	B Endrin ke...	7.631	6.983	237.8E6	1926.1E6	48.069	53.349m
22)	Mirex	8.112	7.178	154.2E6	1081.6E6	41.615m	39.178

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
Data File : PD090421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2025 16:20
Operator : AR\AJ
Sample : PB169830BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

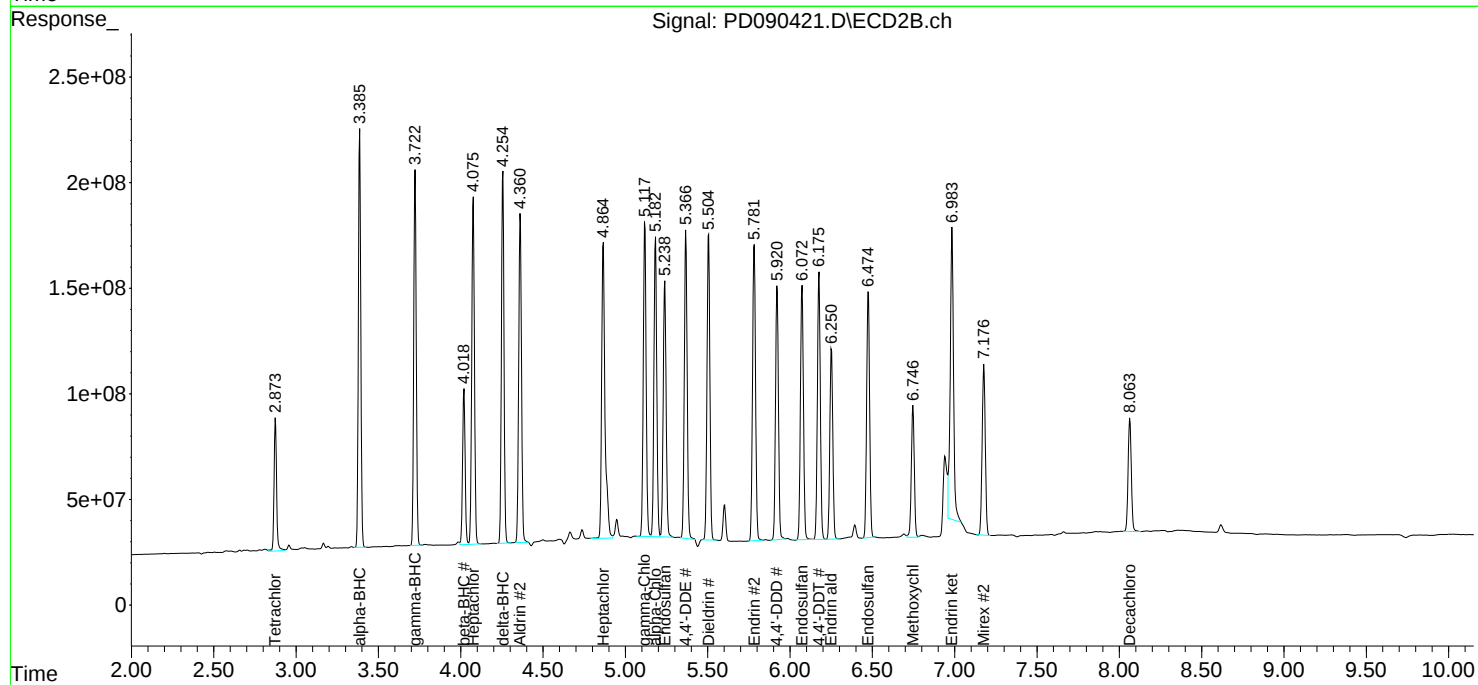
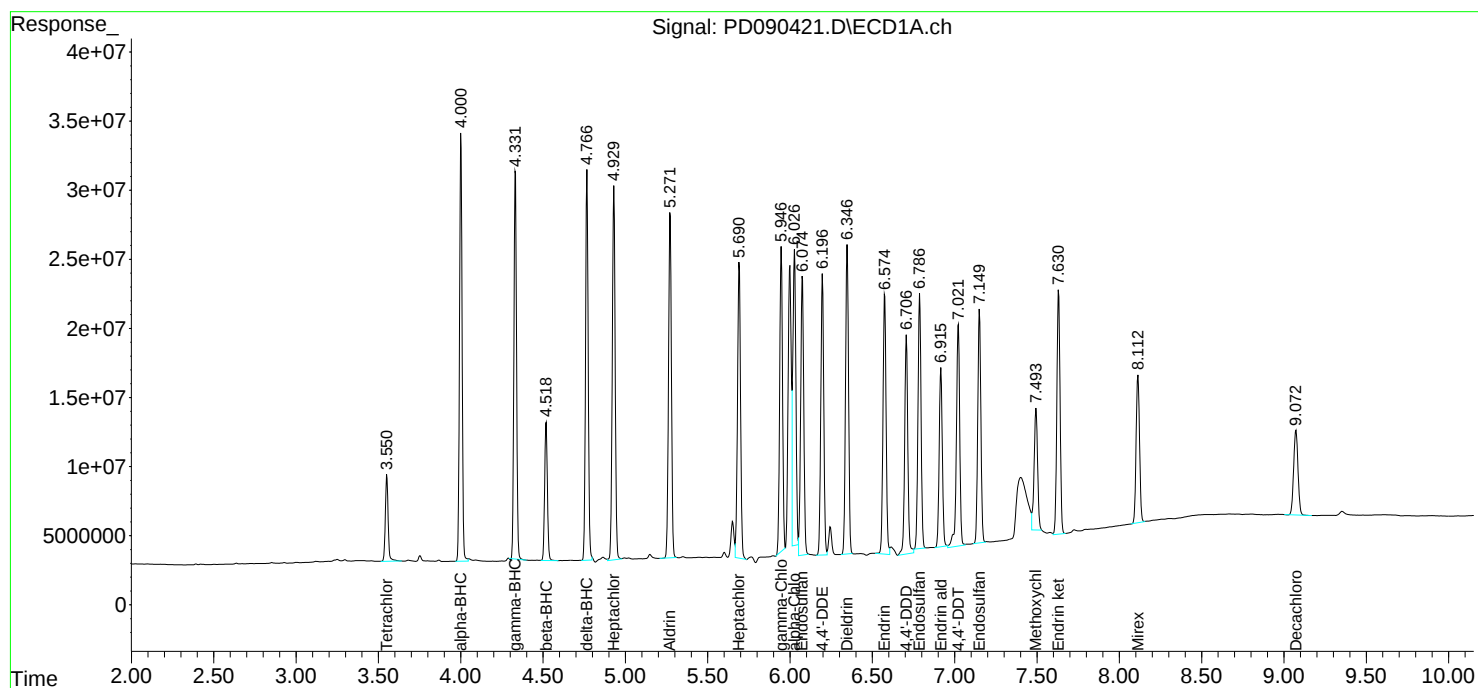
Instrument :
ECD_D
ClientSampleId :
PB169830BSD

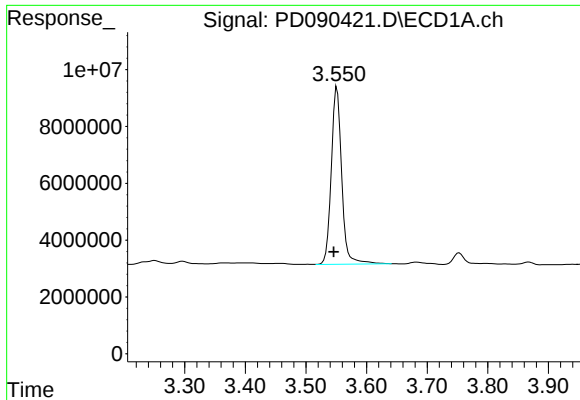
Manual Integrations
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Supervised By :mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 02:31:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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.: 3.551 min
Delta R.T.: 0.005 min
Response: 74947833
Conc: 23.06 ng/ml

Instrument :

ECD_D

ClientSampleId :

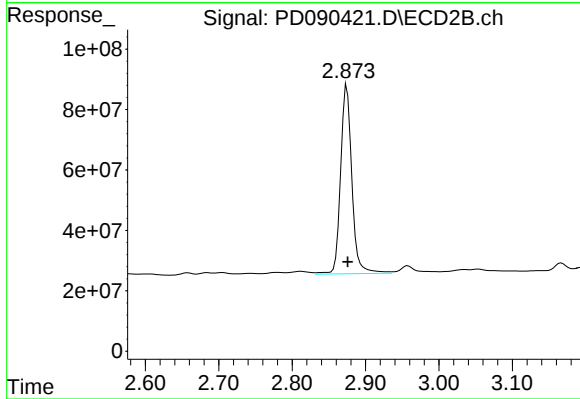
PB169830BSD

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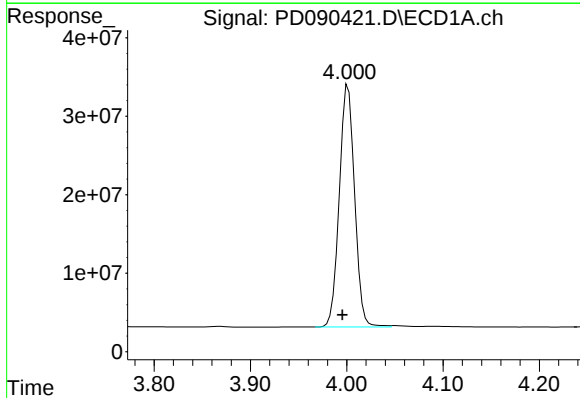
Reviewed By :Abdul Mirza 09/30/2025

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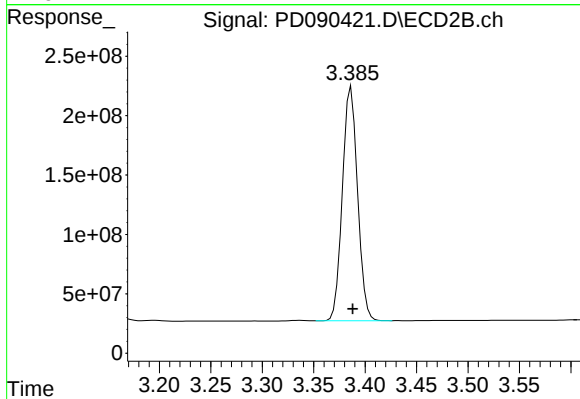
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: -0.001 min
Response: 668065897
Conc: 24.34 ng/ml



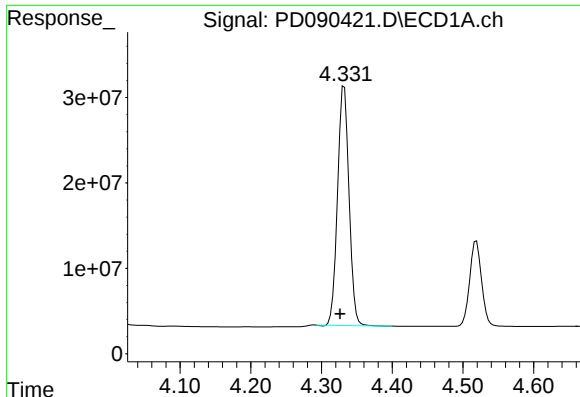
#2 alpha-BHC

R.T.: 4.002 min
Delta R.T.: 0.006 min
Response: 340492483
Conc: 48.75 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 2024089289
Conc: 46.23 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.006 min
Response: 315914970
Conc: 47.74 ng/ml

Instrument :

ECD_D

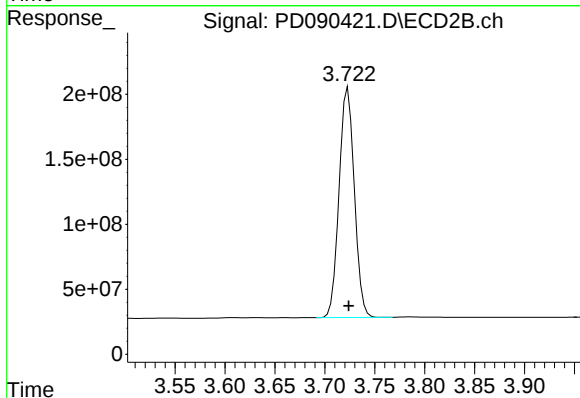
ClientSampleId :

PB169830BSD

Manual Integrations

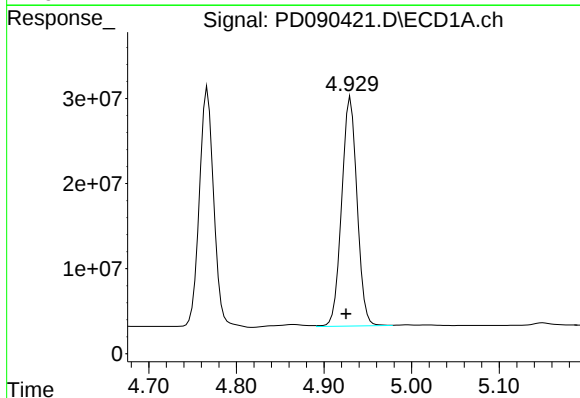
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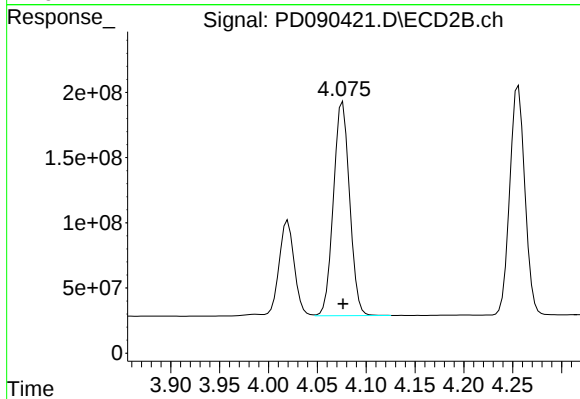
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 1878357898
Conc: 46.11 ng/ml



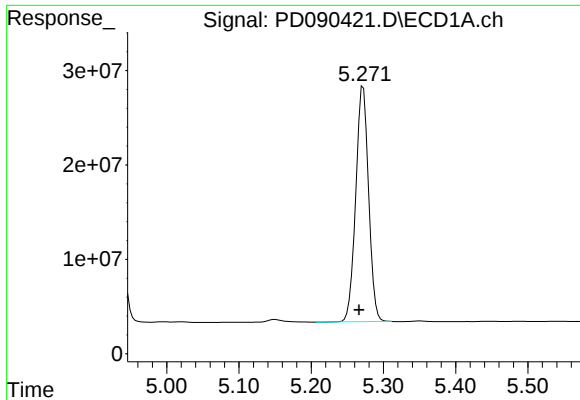
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: 0.005 min
Response: 329083173
Conc: 49.77 ng/ml



#4 Heptachlor

R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 1891204085
Conc: 46.45 ng/ml



#5 Aldrin

R.T.: 5.272 min
Delta R.T.: 0.006 min
Response: 308176690
Conc: 48.53 ng/ml

Instrument :

ECD_D

ClientSampleId :

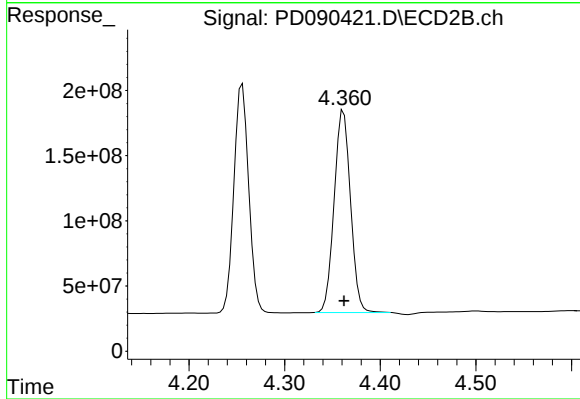
PB169830BSD

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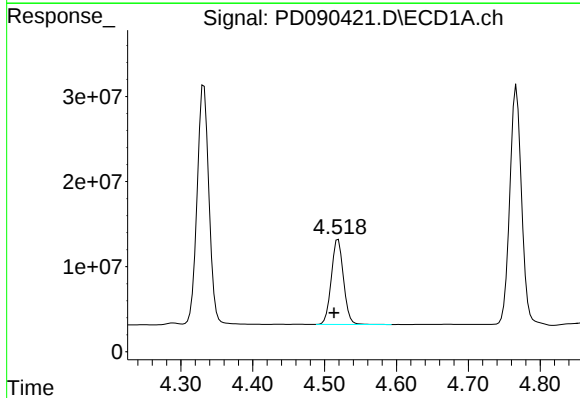
Reviewed By :Abdul Mirza 09/30/2025

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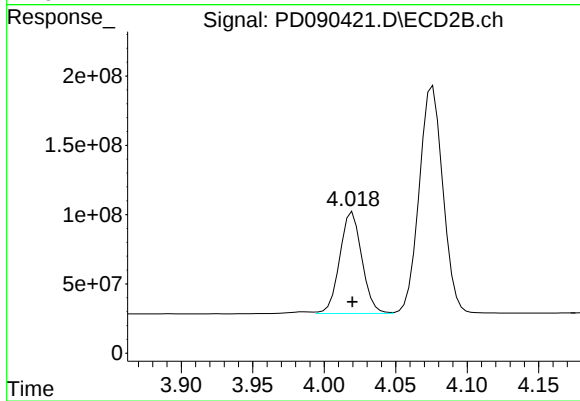
#5 Aldrin

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 1842872283
Conc: 46.15 ng/ml



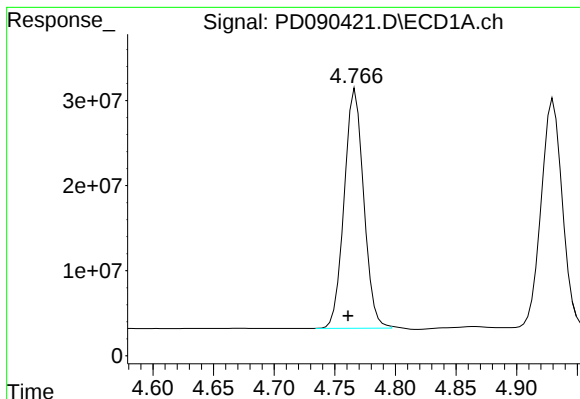
#6 beta-BHC

R.T.: 4.519 min
Delta R.T.: 0.006 min
Response: 117278606
Conc: 45.46 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 789741928
Conc: 45.56 ng/ml



#7 delta-BHC

R.T.: 4.766 min
Delta R.T.: 0.005 min
Response: 315786785
Conc: 48.90 ng/ml

Instrument :

ECD_D

ClientSampleId :

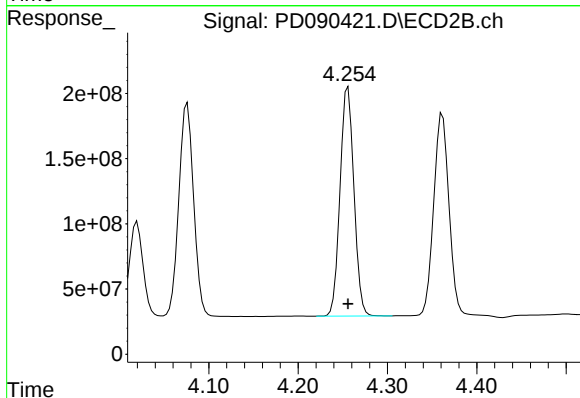
PB169830BSD

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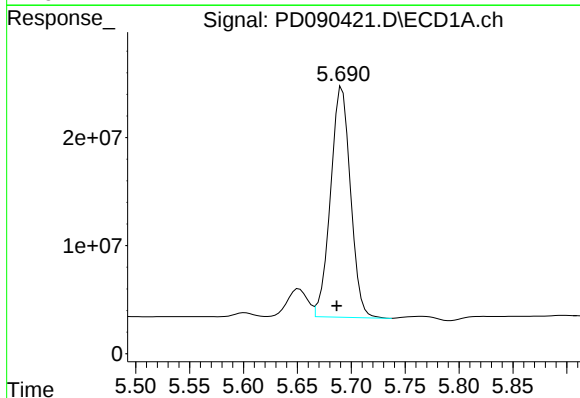
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025



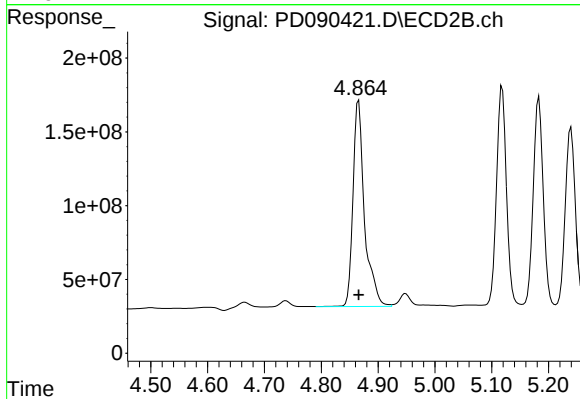
#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: 0.000 min
Response: 1893231291
Conc: 45.85 ng/ml



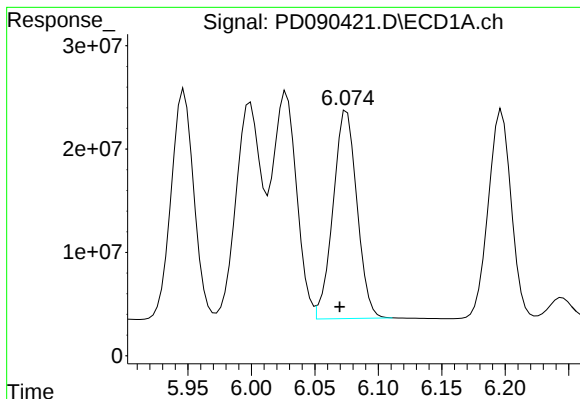
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.005 min
Response: 274768087
Conc: 48.08 ng/ml



#8 Heptachlor epoxide

R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 1975078274
Conc: 53.58 ng/ml



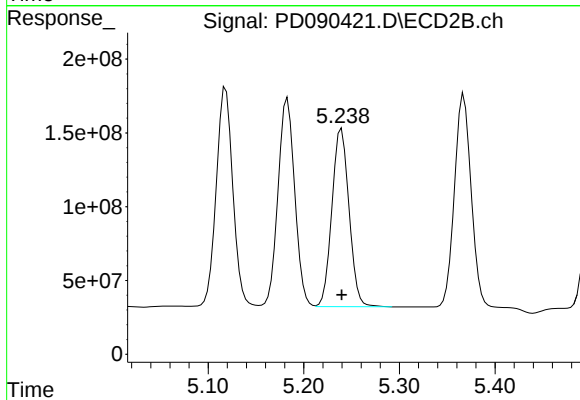
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.004 min
Response: 263026492
Conc: 48.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169830BSD

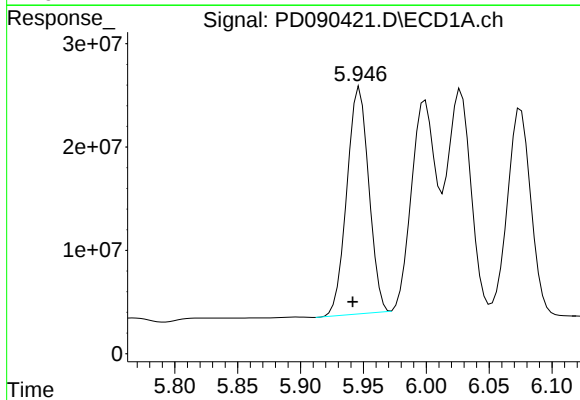
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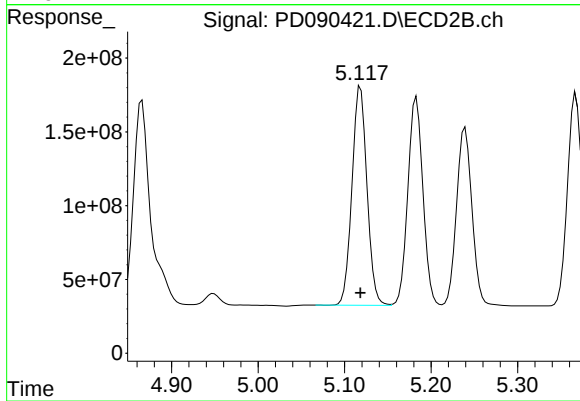
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 1498275192
Conc: 43.30 ng/ml



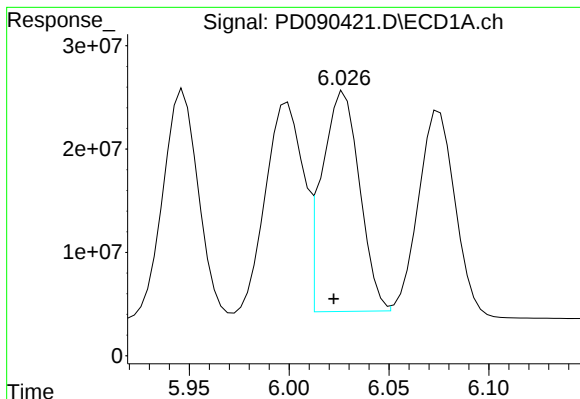
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.005 min
Response: 266084856
Conc: 46.58 ng/ml



#10 gamma-Chlordane

R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 1786100715
Conc: 45.46 ng/ml



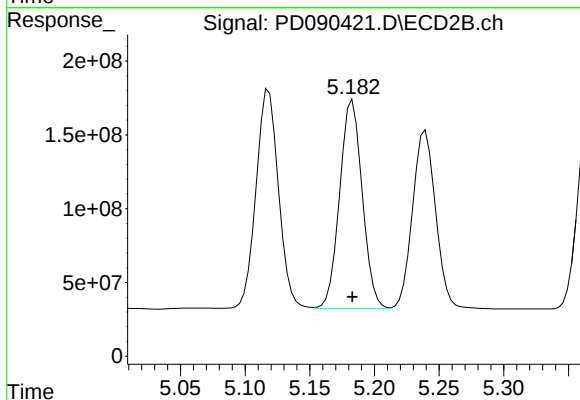
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.004 min
Response: 269307534
Conc: 46.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169830BSD

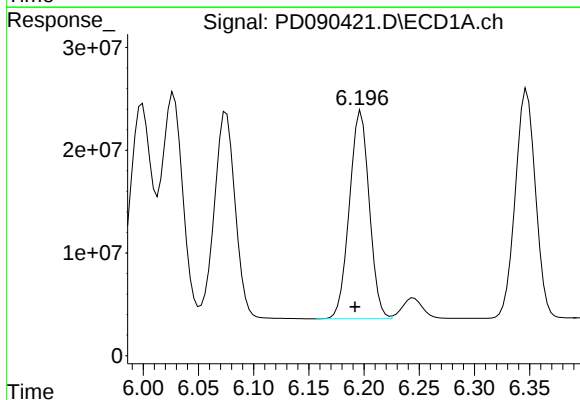
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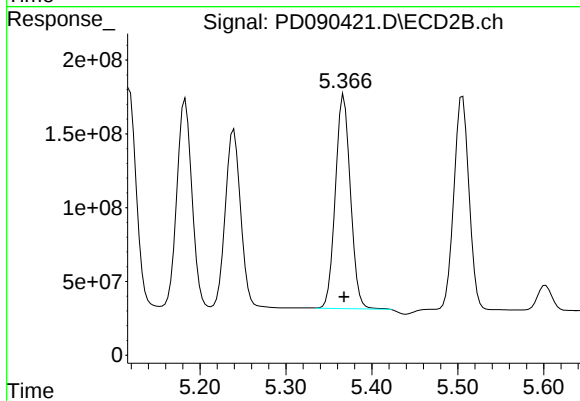
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 1711631981
Conc: 45.44 ng/ml



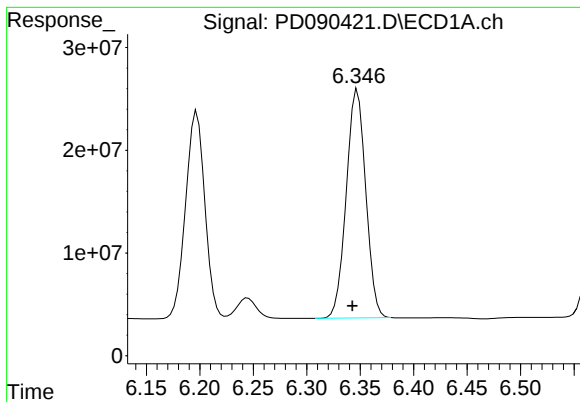
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.005 min
Response: 253320216
Conc: 48.65 ng/ml



#12 4,4'-DDE

R.T.: 5.367 min
Delta R.T.: 0.000 min
Response: 1763272494
Conc: 46.06 ng/ml



#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.005 min
Response: 282210183
Conc: 48.95 ng/ml

Instrument :

ECD_D

ClientSampleId :

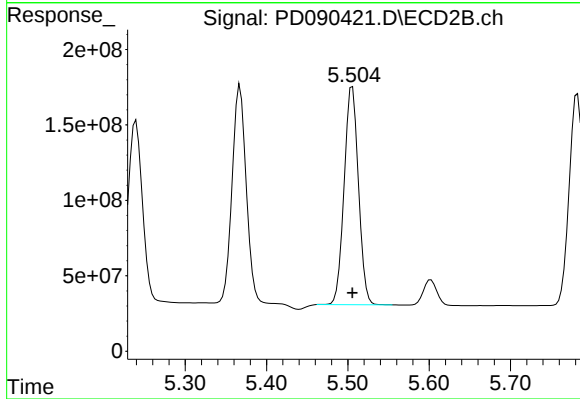
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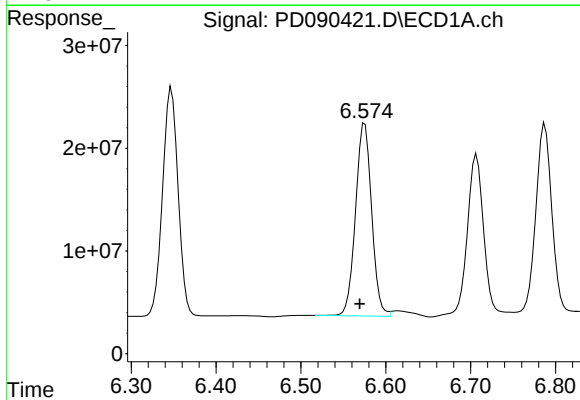
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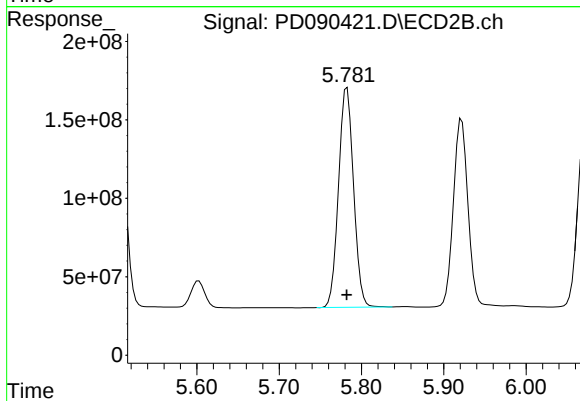
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 1764895758
Conc: 45.32 ng/ml



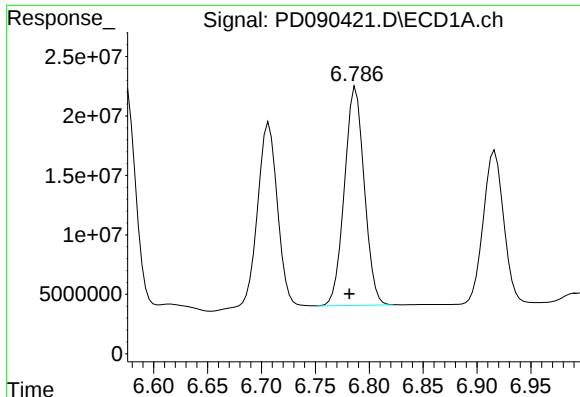
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.006 min
Response: 248064276
Conc: 50.69 ng/ml



#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 1777908179
Conc: 49.62 ng/ml



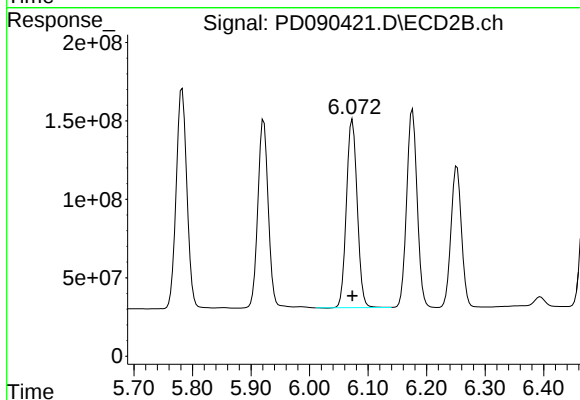
#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.005 min
Response: 235688174
Conc: 48.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169830BSD

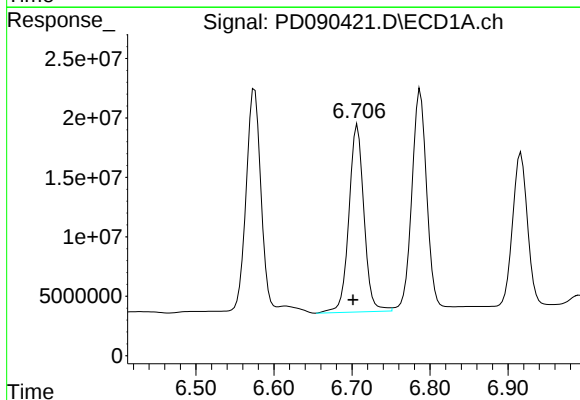
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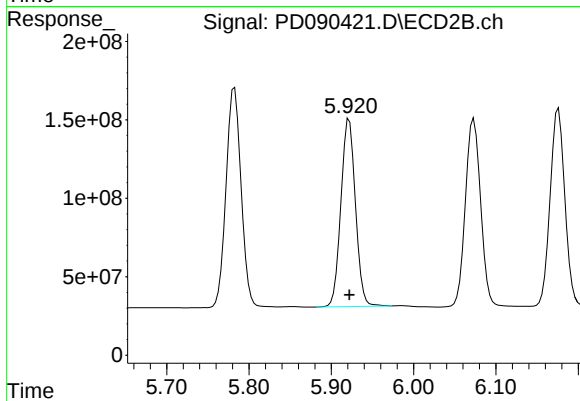
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 1540431515
Conc: 45.64 ng/ml



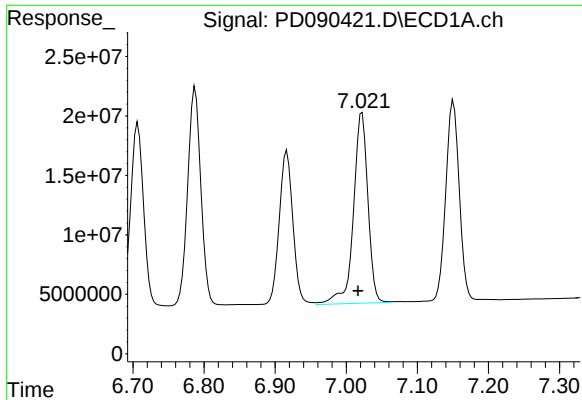
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.006 min
Response: 211069399
Conc: 51.51 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 1469010641
Conc: 45.30 ng/ml



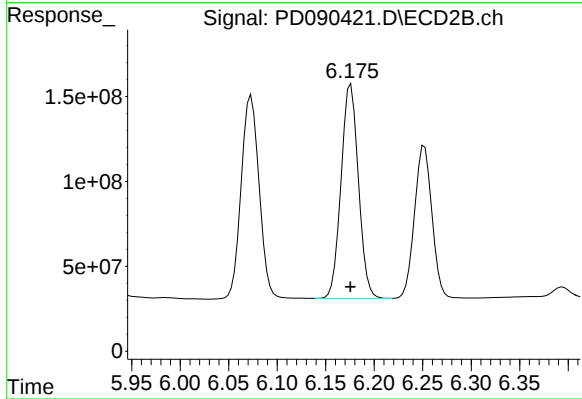
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.005 min
Response: 227114013
Conc: 51.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169830BSD

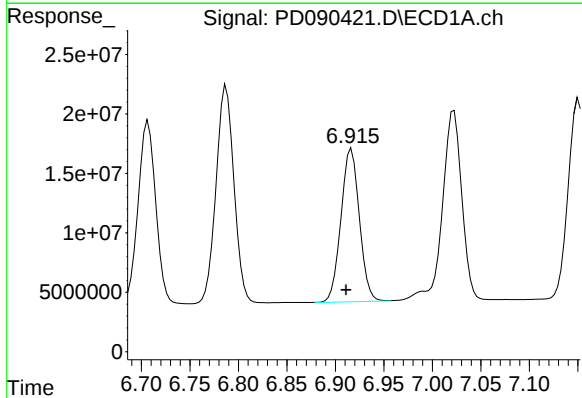
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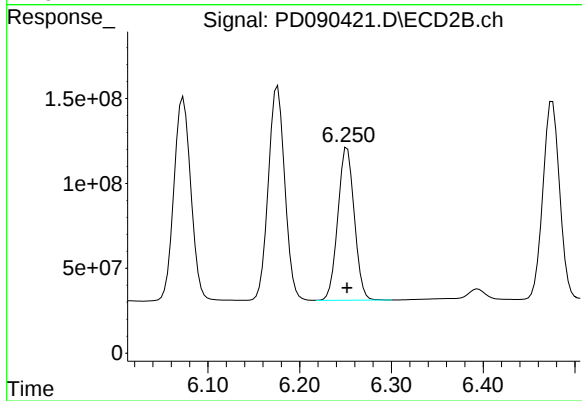
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 1571915146
Conc: 45.72 ng/ml



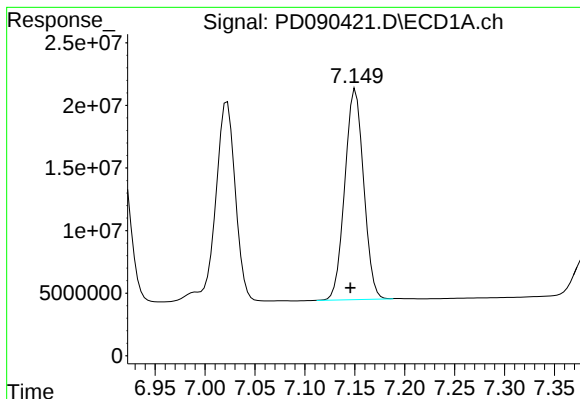
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.004 min
Response: 170106649
Conc: 49.59 ng/ml m



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 1119713527
Conc: 47.55 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.151 min
Delta R.T.: 0.005 min
Response: 220882399
Conc: 48.01 ng/ml

Instrument :

ECD_D

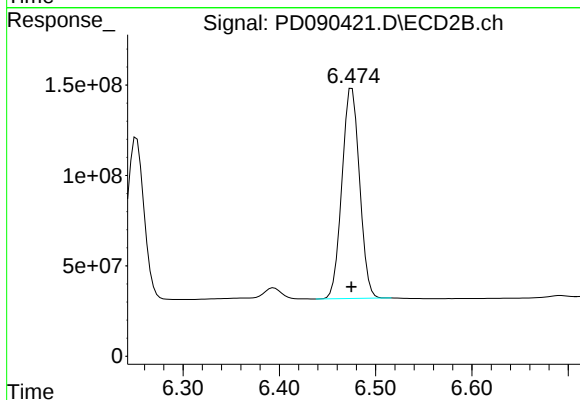
ClientSampleId :

PB169830BSD

Manual Integrations

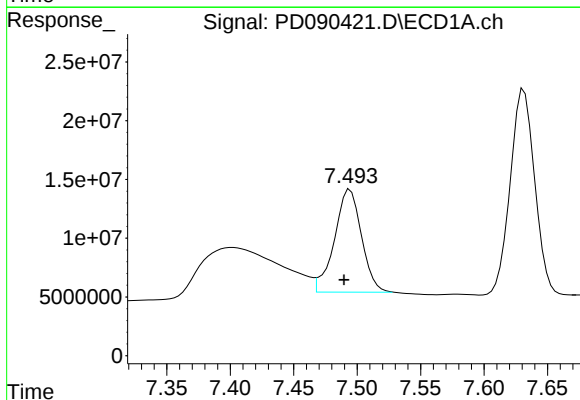
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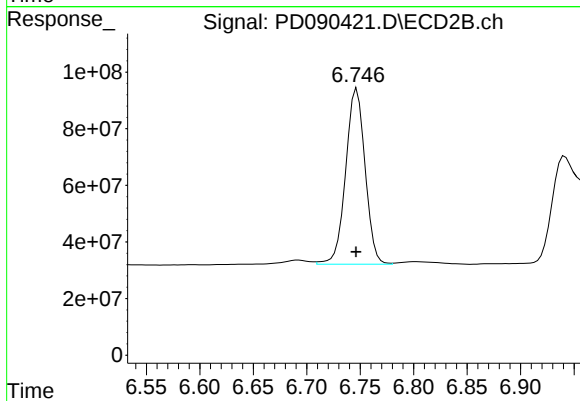
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: 0.000 min
Response: 1475036846
Conc: 45.12 ng/ml



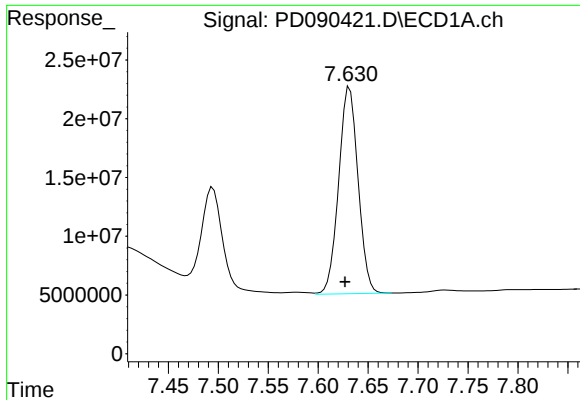
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.003 min
Response: 128662475
Conc: 54.60 ng/ml m



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: 0.000 min
Response: 785519068
Conc: 45.14 ng/ml



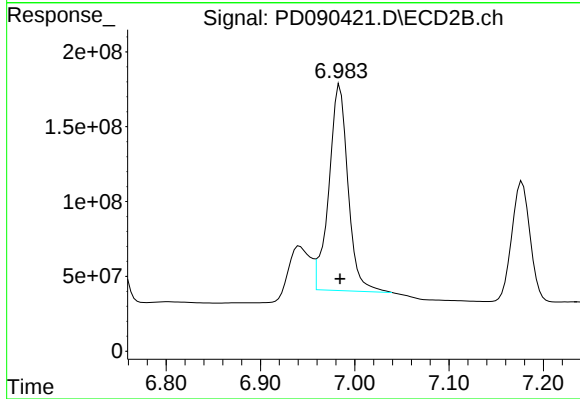
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.005 min
Response: 237814135
Conc: 48.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169830BSD

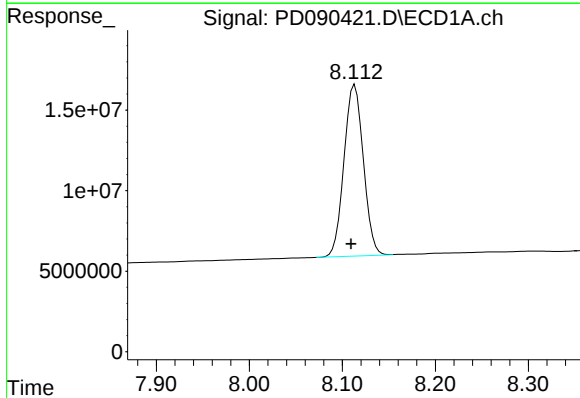
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



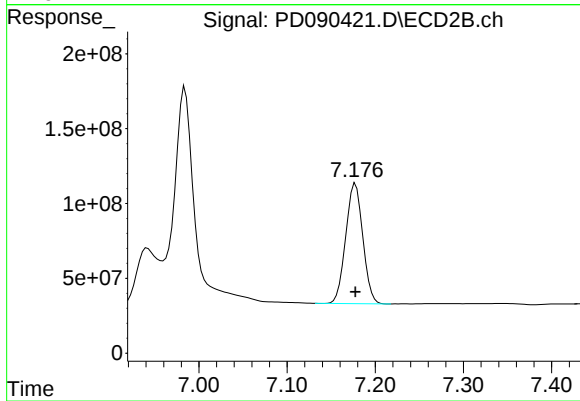
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.001 min
Response: 1926051027
Conc: 53.35 ng/ml m



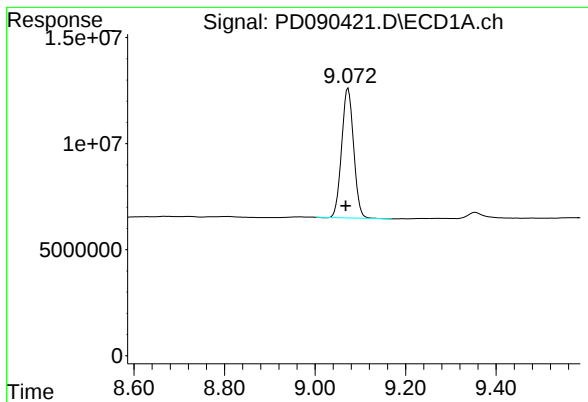
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.003 min
Response: 154176315
Conc: 41.61 ng/ml m



#22 Mirex

R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 1081556337
Conc: 39.18 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.005 min
Response: 112405329
Conc: 23.30 ng/ml

Instrument :

ECD_D

ClientSampleId :

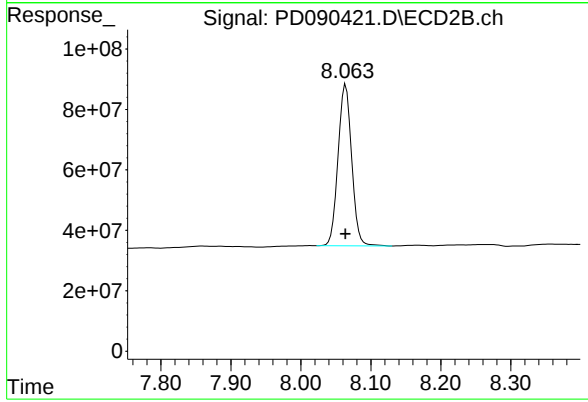
PB169830BSD

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 722187498
Conc: 22.28 ng/ml