

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
 Data File : PD090420.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2025 15:59
 Operator : AR\AJ
 Sample : PB169830BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169830BS

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 02:31:11 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...	3.552	2.874	75451764	668.1E6	23.213	24.338
28)	SA Decachlor...	9.075	8.064	112.0E6	707.7E6	23.209	21.832
Target Compounds							
2)	A alpha-BHC	4.002	3.386	342.2E6	1991.9E6	48.997	45.494
3)	MA gamma-BHC...	4.333	3.723	312.6E6	1842.3E6	47.241	45.227
4)	MA Heptachlor	4.932	4.076	324.4E6	1839.0E6	49.063	45.165
5)	MB Aldrin	5.273	4.361	303.0E6	1797.6E6	47.711	45.014
6)	B beta-BHC	4.520	4.019	117.8E6	772.4E6	45.643	44.557
7)	B delta-BHC	4.768	4.256	314.0E6	1849.2E6	48.619m	44.780
8)	B Heptachlo...	5.693	4.866	271.1E6	1956.7E6	47.437	53.077
9)	A Endosulfan I	6.076	5.240	263.3E6	1479.9E6	48.746m	42.766
10)	B gamma-Chl...	5.950	5.118	263.9E6	1747.6E6	46.204	44.484
11)	B alpha-Chl...	6.028	5.183	288.6E6	1678.3E6	50.102m	44.558
12)	B 4,4'-DDE	6.199	5.367	252.4E6	1724.0E6	48.464	45.037
13)	MA Dieldrin	6.349	5.506	280.6E6	1727.9E6	48.669	44.367
14)	MA Endrin	6.577	5.782	246.2E6	1706.7E6	50.315	47.630
15)	B Endosulfa...	6.789	6.073	246.0E6	1504.4E6	50.426	44.572
16)	A 4,4'-DDD	6.708	5.922	207.5E6	1439.5E6	50.637	44.390
17)	MA 4,4'-DDT	7.025	6.176	226.7E6	1541.3E6	50.908	44.833
18)	B Endrin al...	6.917	6.252	170.5E6	1104.5E6	49.697m	46.909
19)	B Endosulfa...	7.153	6.476	221.7E6	1446.9E6	48.196	44.261
20)	A Methoxychlor	7.496	6.746	124.0E6	766.7E6	52.625m	44.062
21)	B Endrin ke...	7.633	6.983	239.6E6	1756.4E6	48.432	48.650m
22)	Mirex	8.114	7.177	154.1E6	1064.8E6	41.595m	38.572

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
Data File : PD090420.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2025 15:59
Operator : AR\AJ
Sample : PB169830BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

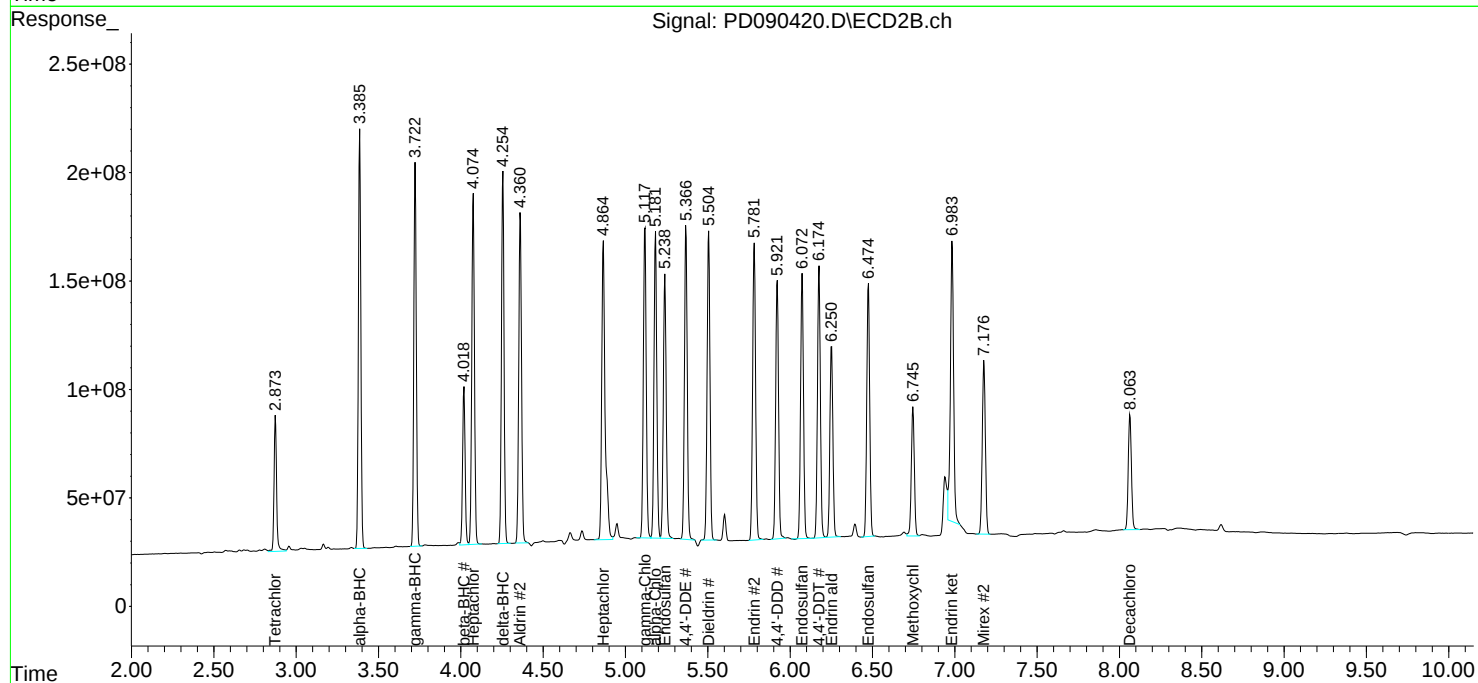
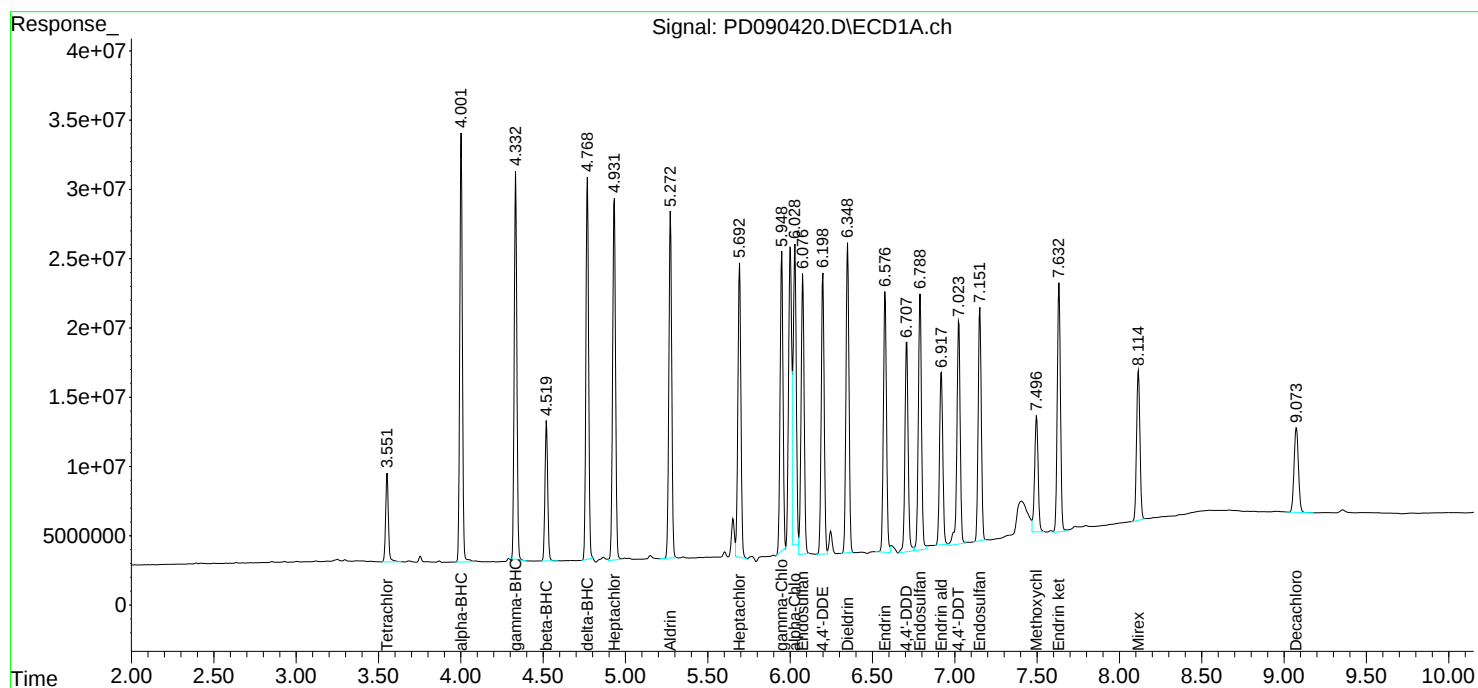
Instrument :
ECD_D
ClientSampleId :
PB169830BS

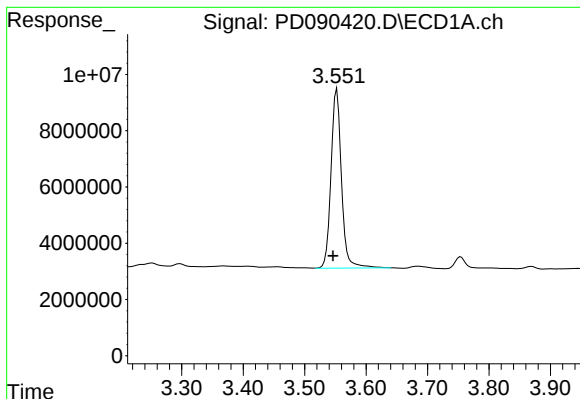
Manual Integrations
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Supervised By :mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 02:31:11 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.: 3.552 min
Delta R.T.: 0.006 min
Response: 75451764
Conc: 23.21 ng/ml

Instrument :

ECD_D

ClientSampleId :

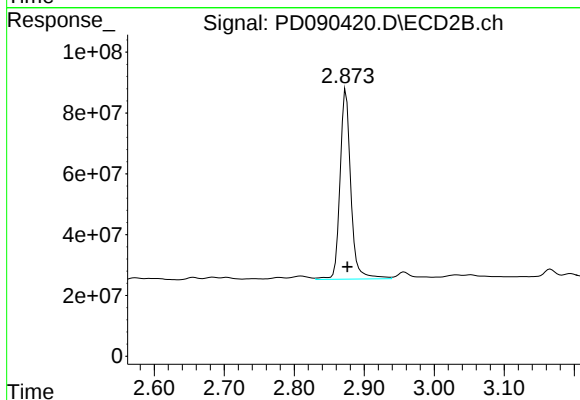
PB169830BS

Manual Integrations

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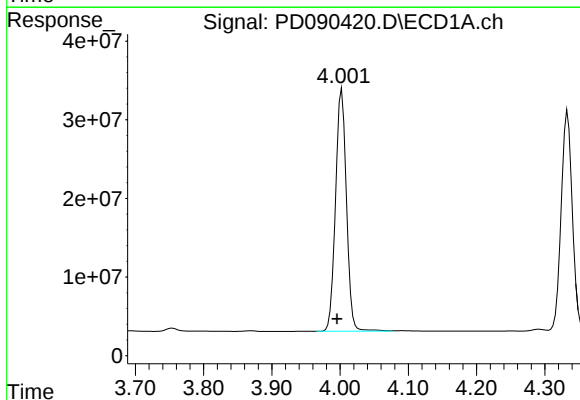
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025



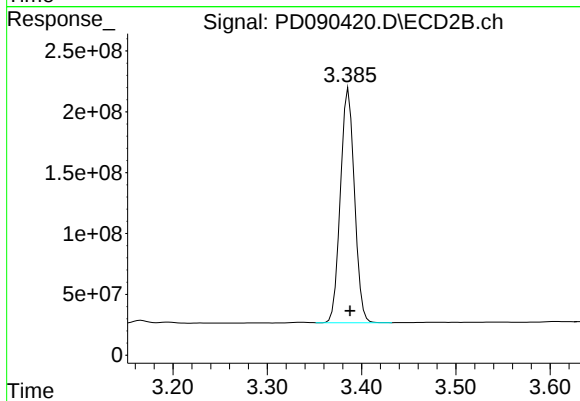
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.002 min
Response: 668078642
Conc: 24.34 ng/ml



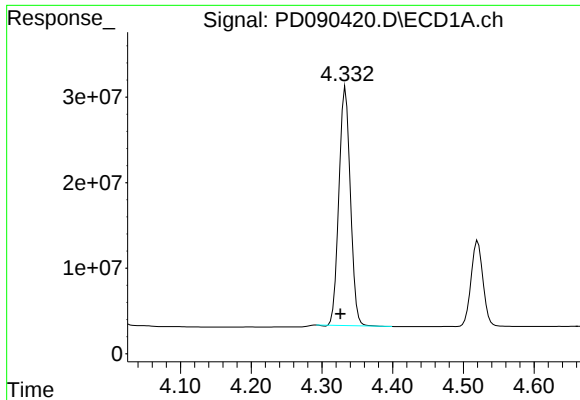
#2 alpha-BHC

R.T.: 4.002 min
Delta R.T.: 0.007 min
Response: 342218275
Conc: 49.00 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: -0.002 min
Response: 1991851126
Conc: 45.49 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.333 min
Delta R.T.: 0.007 min
Response: 312589257
Conc: 47.24 ng/ml

Instrument :

ECD_D

ClientSampleId :

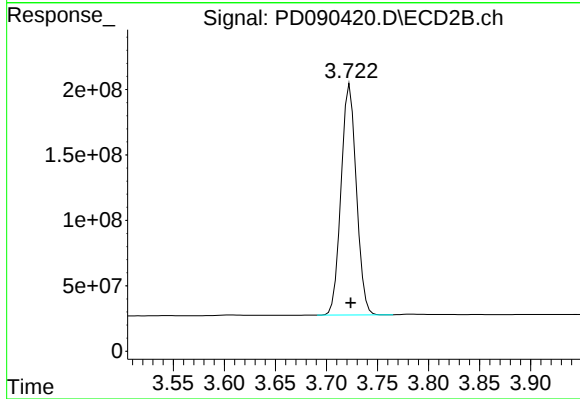
PB169830BS

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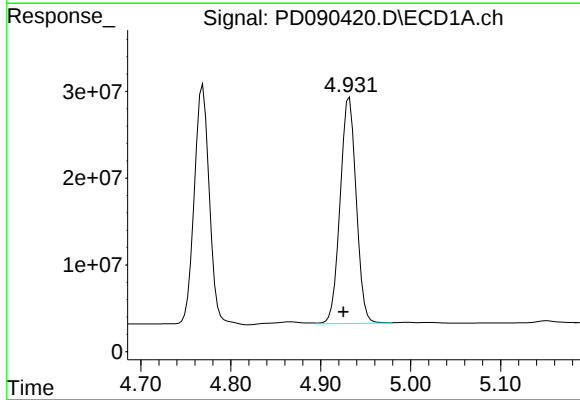
Reviewed By :Abdul Mirza 09/30/2025

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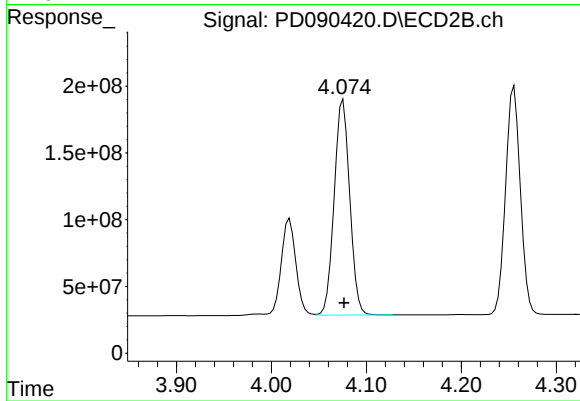
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 1842343474
Conc: 45.23 ng/ml



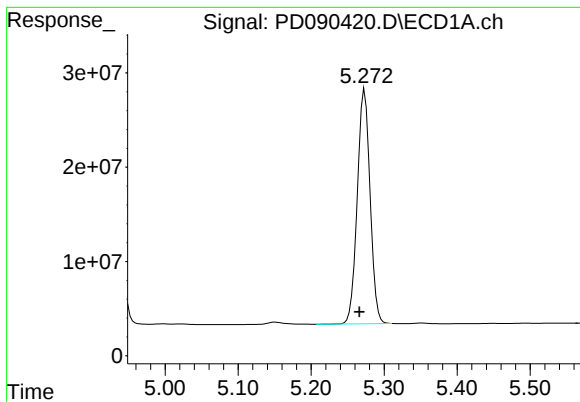
#4 Heptachlor

R.T.: 4.932 min
Delta R.T.: 0.007 min
Response: 324430620
Conc: 49.06 ng/ml



#4 Heptachlor

R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 1838976004
Conc: 45.17 ng/ml



#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.007 min
Response: 302962153
Conc: 47.71 ng/ml

Instrument :

ECD_D

ClientSampleId :

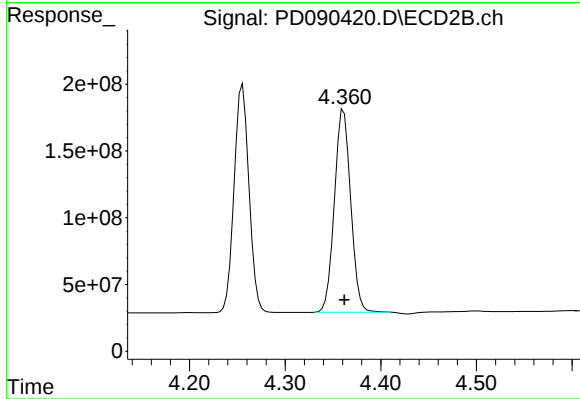
PB169830BS

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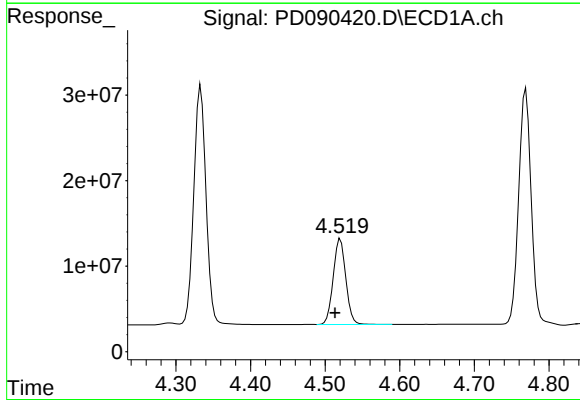
Reviewed By :Abdul Mirza 09/30/2025

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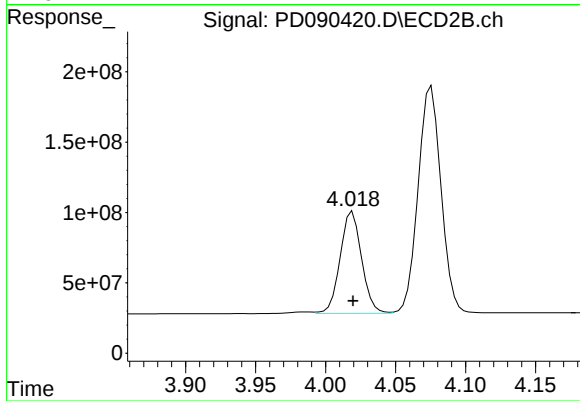
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: 0.000 min
Response: 1797633889
Conc: 45.01 ng/ml



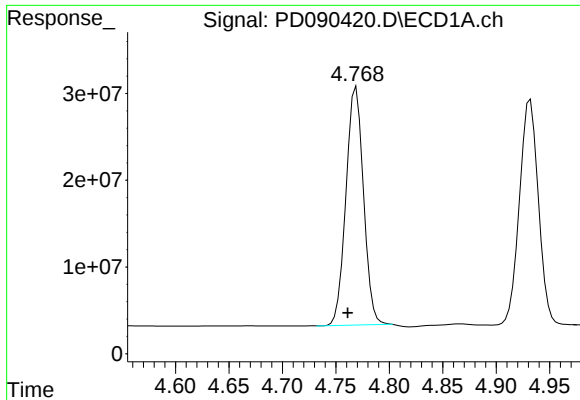
#6 beta-BHC

R.T.: 4.520 min
Delta R.T.: 0.007 min
Response: 117754347
Conc: 45.64 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 772411801
Conc: 44.56 ng/ml



#7 delta-BHC

R.T.: 4.768 min
Delta R.T.: 0.007 min
Response: 313957437
Conc: 48.62 ng/ml

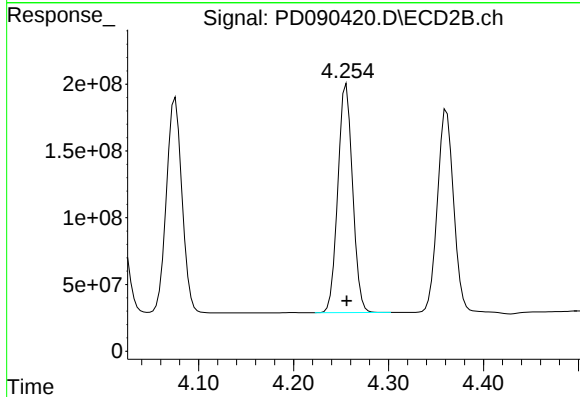
Instrument :

ECD_D

ClientSampleId :
PB169830BS

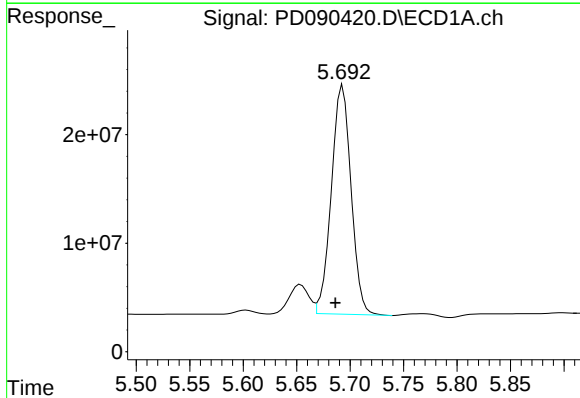
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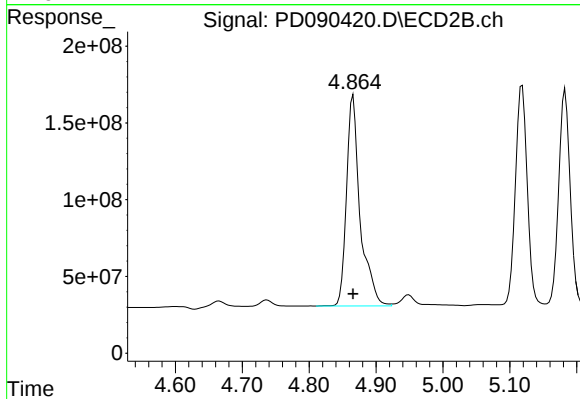
#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: 0.000 min
Response: 1849200471
Conc: 44.78 ng/ml



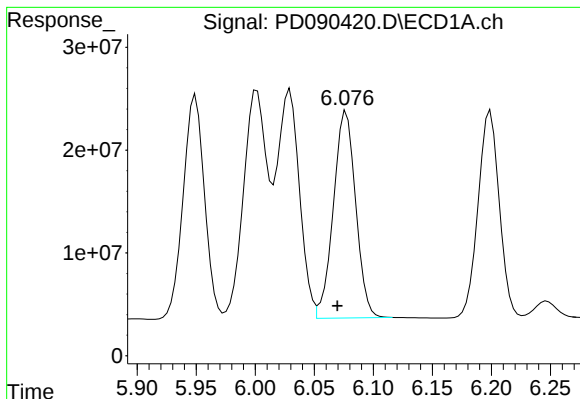
#8 Heptachlor epoxide

R.T.: 5.693 min
Delta R.T.: 0.007 min
Response: 271099206
Conc: 47.44 ng/ml



#8 Heptachlor epoxide

R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 1956668592
Conc: 53.08 ng/ml



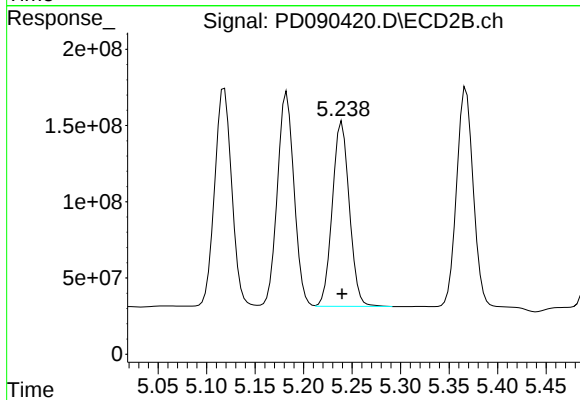
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: 0.006 min
Response: 263300441
Conc: 48.75 ng/ml

Instrument :
ECD_D
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PB169830BS

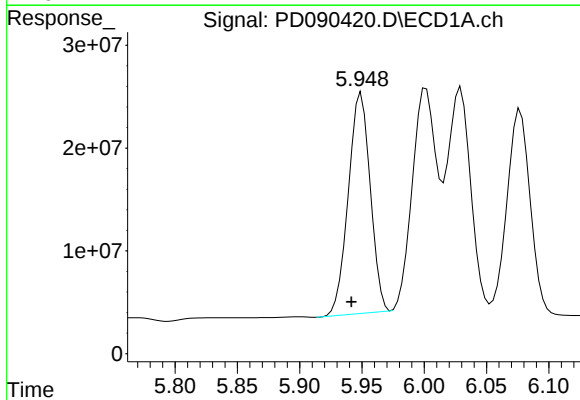
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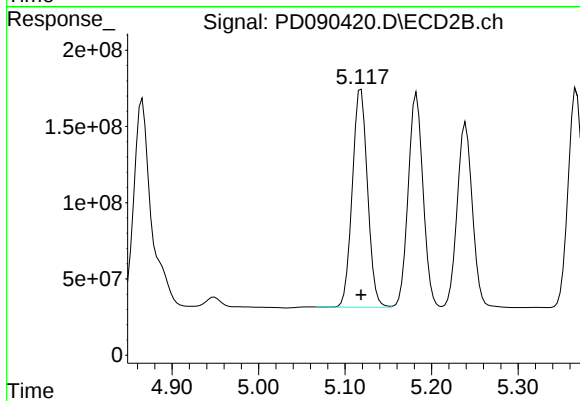
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 1479908130
Conc: 42.77 ng/ml



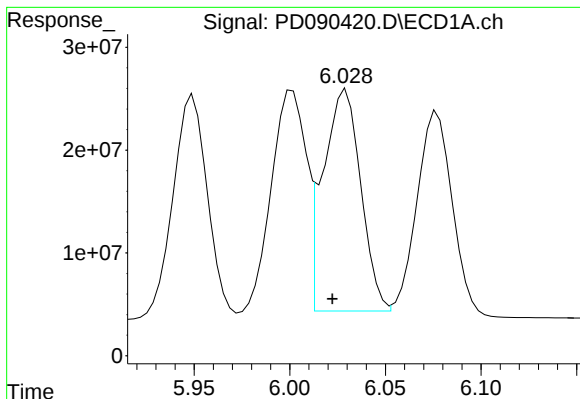
#10 gamma-Chlordane

R.T.: 5.950 min
Delta R.T.: 0.008 min
Response: 263912060
Conc: 46.20 ng/ml



#10 gamma-Chlordane

R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 1747604656
Conc: 44.48 ng/ml



#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.006 min
Response: 288630671
Conc: 50.10 ng/ml

Instrument :

ECD_D

ClientSampleId :

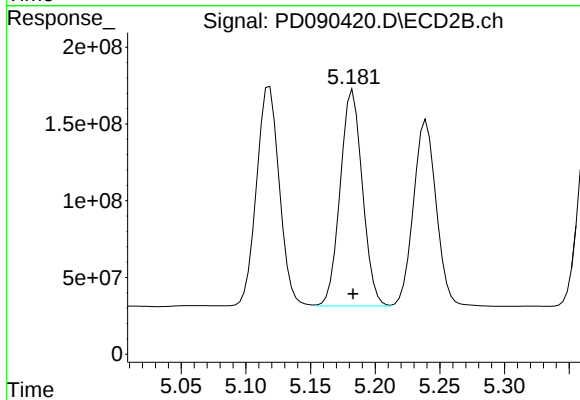
PB169830BS

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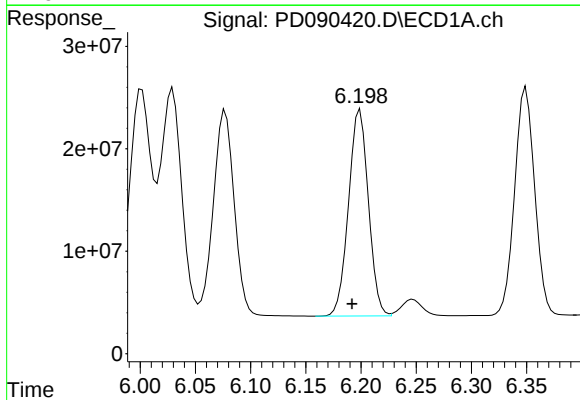
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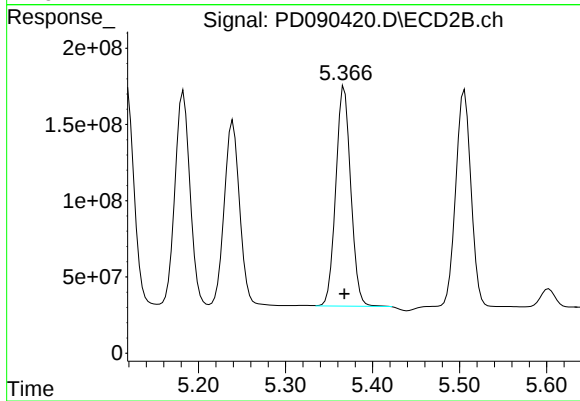
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 1678290764
Conc: 44.56 ng/ml



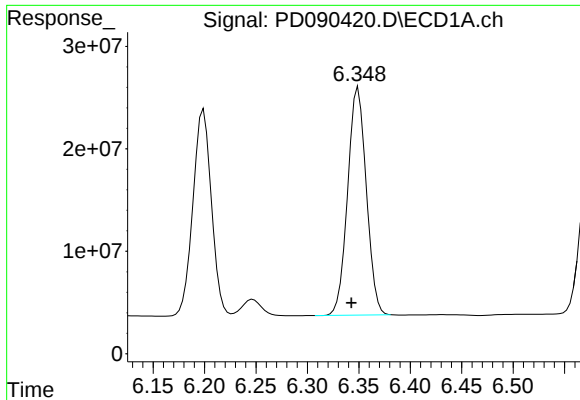
#12 4,4'-DDE

R.T.: 6.199 min
Delta R.T.: 0.007 min
Response: 252375125
Conc: 48.46 ng/ml



#12 4,4'-DDE

R.T.: 5.367 min
Delta R.T.: 0.000 min
Response: 1723978894
Conc: 45.04 ng/ml



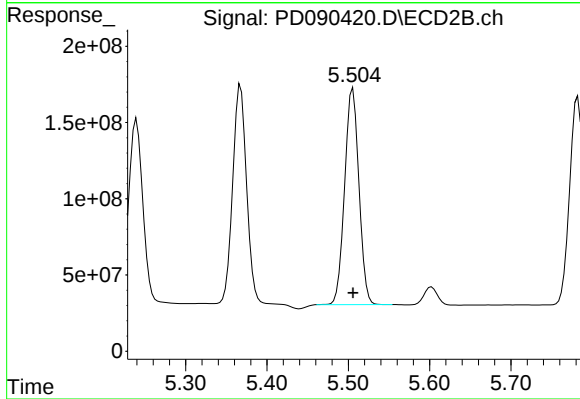
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.007 min
Response: 280560545
Conc: 48.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169830BS

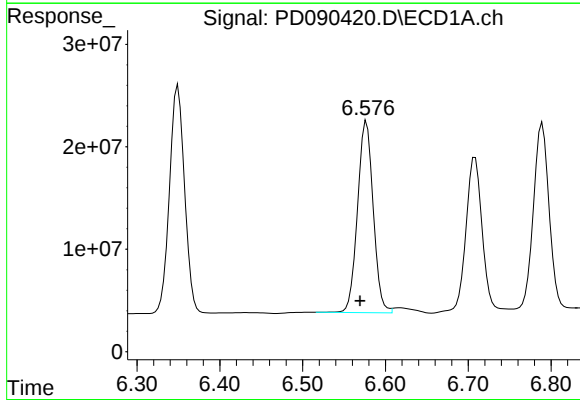
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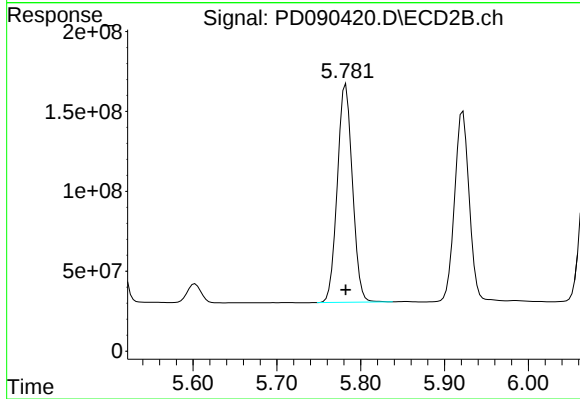
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 1727913662
Conc: 44.37 ng/ml



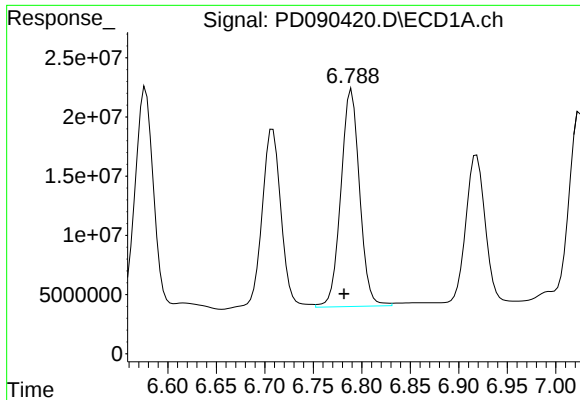
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.008 min
Response: 246240604
Conc: 50.32 ng/ml



#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 1706698119
Conc: 47.63 ng/ml



#15 Endosulfan II

R.T.: 6.789 min
Delta R.T.: 0.008 min
Response: 245966113
Conc: 50.43 ng/ml

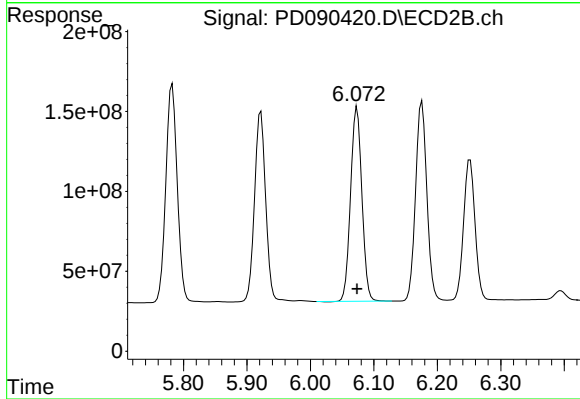
Instrument :

ECD_D

ClientSampleId :
PB169830BS

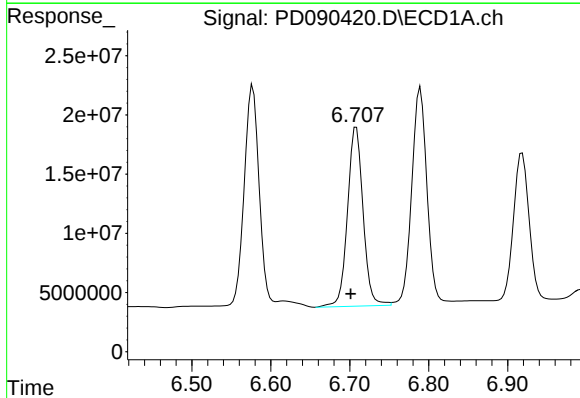
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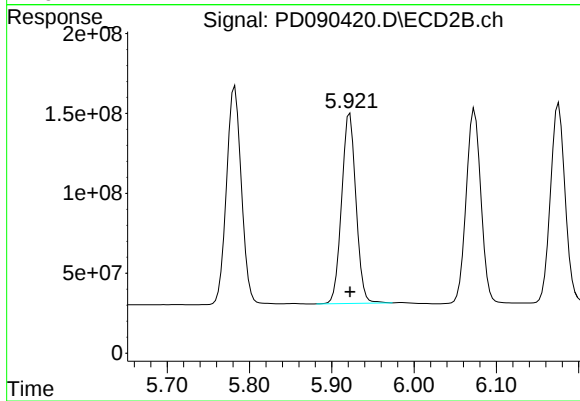
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 1504353743
Conc: 44.57 ng/ml



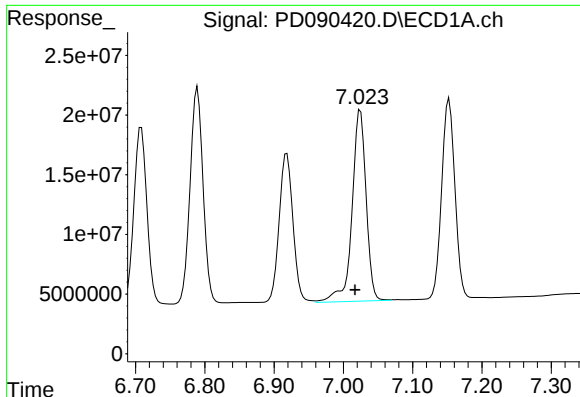
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.007 min
Response: 207502899
Conc: 50.64 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 1439454245
Conc: 44.39 ng/ml



#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.008 min
Response: 226667013
Conc: 50.91 ng/ml

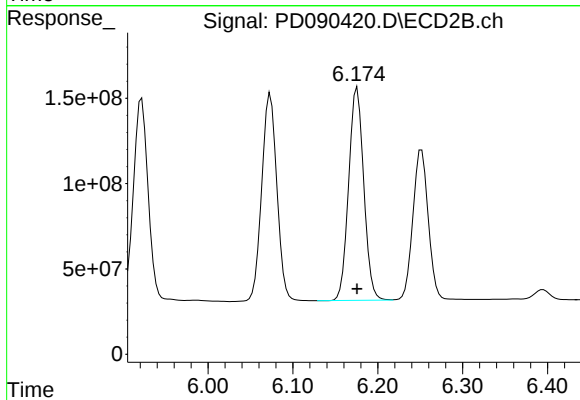
Instrument :

ECD_D

ClientSampleId :
PB169830BS

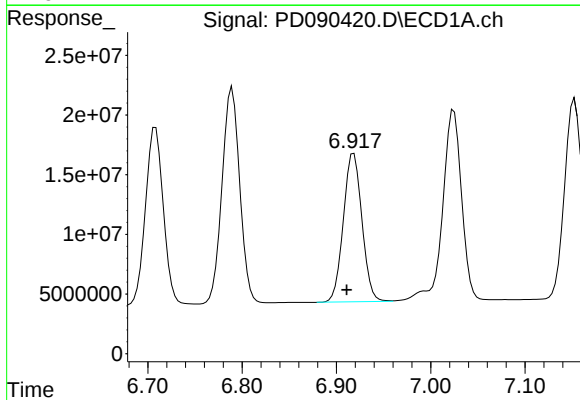
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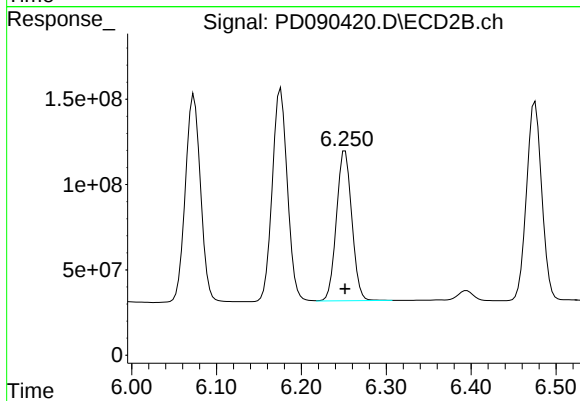
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 1541318491
Conc: 44.83 ng/ml



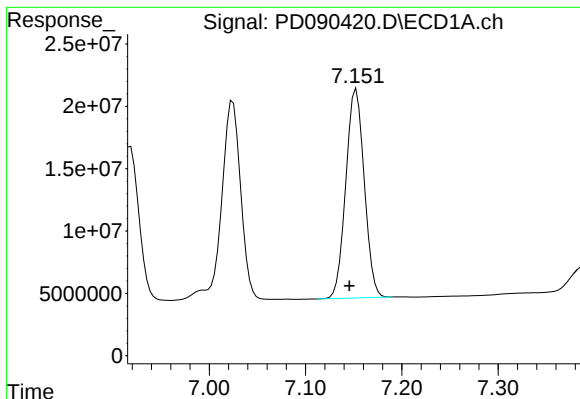
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.006 min
Response: 170489917
Conc: 49.70 ng/ml m



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 1104549150
Conc: 46.91 ng/ml



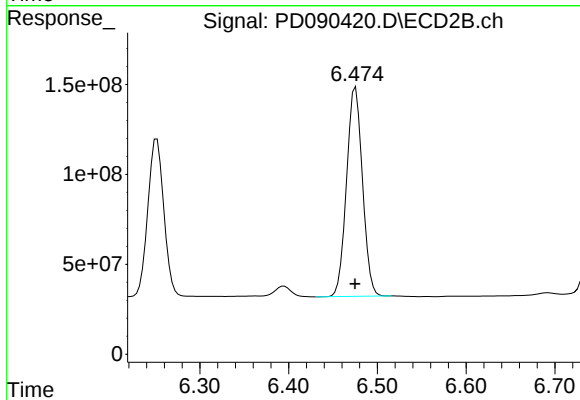
#19 Endosulfan Sulfate

R.T.: 7.153 min
Delta R.T.: 0.007 min
Response: 221719743
Conc: 48.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169830BS

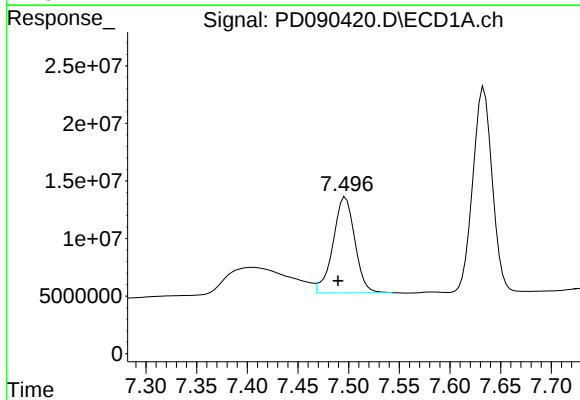
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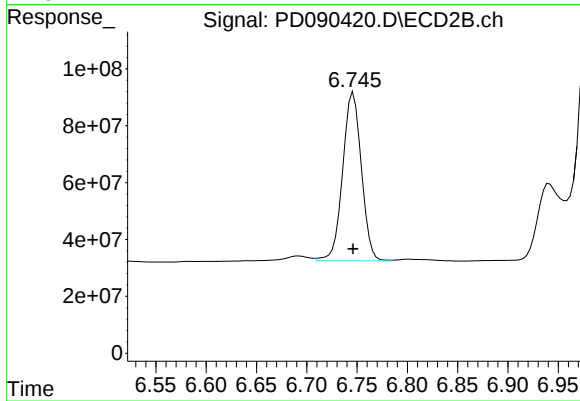
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: 0.000 min
Response: 1446919409
Conc: 44.26 ng/ml



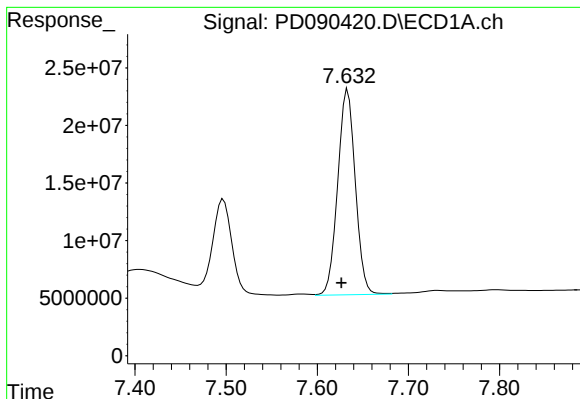
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.006 min
Response: 124011196
Conc: 52.62 ng/ml m



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 766695348
Conc: 44.06 ng/ml



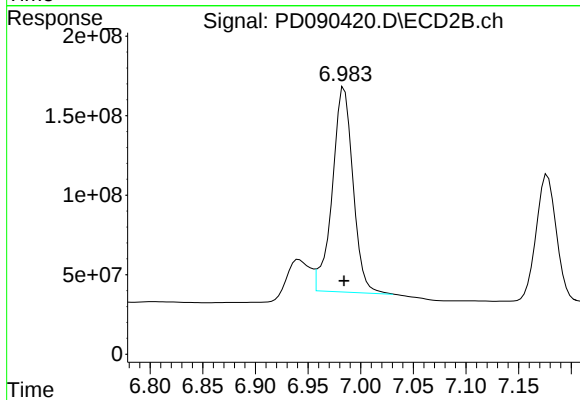
#21 Endrin ketone

R.T.: 7.633 min
Delta R.T.: 0.007 min
Response: 239611035
Conc: 48.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169830BS

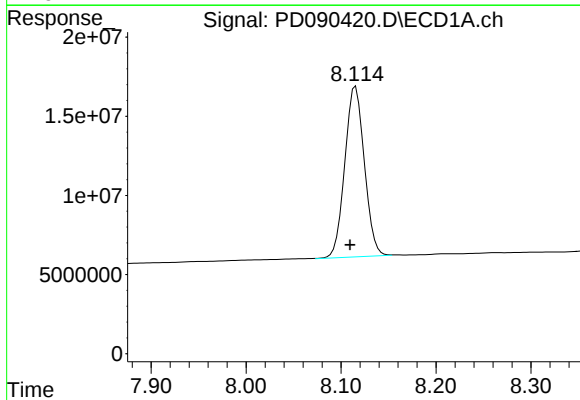
Manual Integrations
APPROVED

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



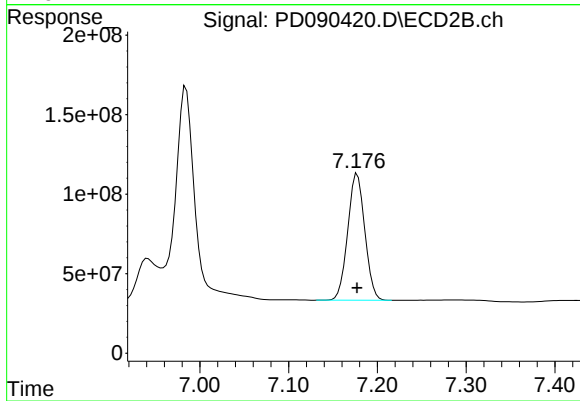
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.001 min
Response: 1756389729
Conc: 48.65 ng/ml m



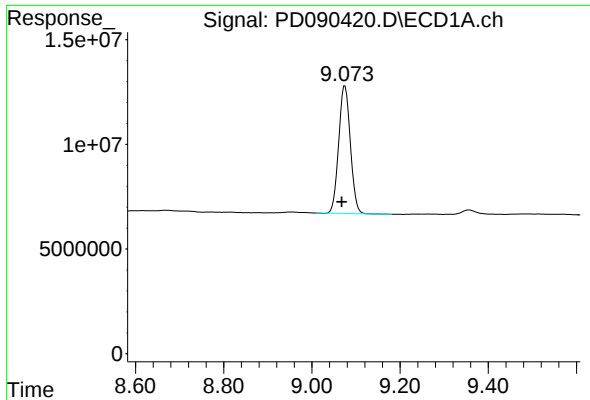
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.005 min
Response: 154102258
Conc: 41.59 ng/ml m



#22 Mirex

R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 1064810907
Conc: 38.57 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.007 min
Response: 111984364
Conc: 23.21 ng/ml

Instrument :

ECD_D

ClientSampleId :

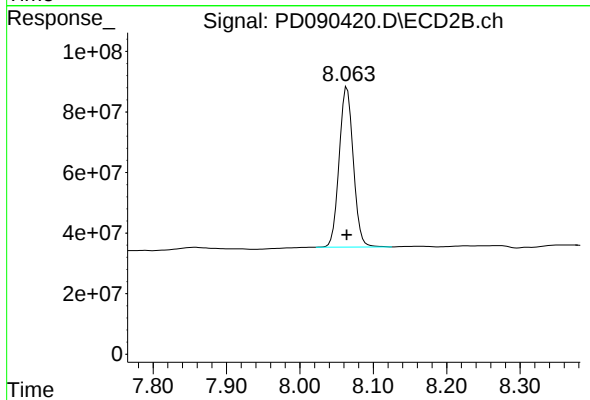
PB169830BS

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 707689222
Conc: 21.83 ng/ml