

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
 Data File : PD089331.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jul 2025 14:27
 Operator : AR\AJ
 Sample : PB168718BSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168718BSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/07/2025
 Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 04 02:17:56 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...	3.555	2.880	50160508	351.7E6	17.581	20.745
28)	SA Decachlor...	9.081	8.074	72406437	375.1E6	18.435	18.976
Target Compounds							
2)	A alpha-BHC	4.005	3.393	321.4E6	1493.3E6	55.141	55.727
3)	MA gamma-BHC...	4.336	3.728	305.0E6	1368.9E6	54.649	55.296m
4)	MA Heptachlor	4.935	4.083	287.9E6	1303.7E6	52.815	52.068
5)	MB Aldrin	5.277	4.369	295.6E6	1338.5E6	55.634	55.271
6)	B beta-BHC	4.522	4.026	115.3E6	577.6E6	52.248	53.748
7)	B delta-BHC	4.770	4.263	293.0E6	1365.1E6	57.084	54.883
8)	B Heptachlo...	5.697	4.873	262.7E6	1210.5E6	54.451	55.277
9)	A Endosulfan I	6.081	5.248	248.7E6	1148.6E6	55.165	55.109
10)	B gamma-Chl...	5.952	5.126	269.9E6	1304.8E6	56.371	54.544
11)	B alpha-Chl...	6.033	5.191	265.9E6	1241.3E6	54.946	54.213
12)	B 4,4'-DDE	6.202	5.376	240.9E6	1250.5E6	55.233	54.569
13)	MA Dieldrin	6.353	5.514	268.4E6	1272.6E6	55.948	54.832
14)	MA Endrin	6.580	5.790	199.4E6	1039.4E6	48.330	47.866
15)	B Endosulfa...	6.792	6.082	226.0E6	1100.5E6	55.980	54.489
16)	A 4,4'-DDD	6.711	5.931	200.1E6	1070.2E6	58.301	55.945
17)	MA 4,4'-DDT	7.027	6.184	179.8E6	956.7E6	47.458	47.176
18)	B Endrin al...	6.922	6.258	170.0E6	842.7E6	55.493	55.036m
19)	B Endosulfa...	7.156	6.483	209.2E6	1071.3E6	54.528	54.601
20)	A Methoxychlor	7.499	6.755	83991927	473.6E6	41.567	43.977
21)	B Endrin ke...	7.636	6.992	223.8E6	1194.2E6	54.936	55.282
22)	Mirex	8.120	7.187	135.5E6	750.8E6	44.555	45.014

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

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Data File : PD089331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jul 2025 14:27
Operator : AR\AJ
Sample : PB168718BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

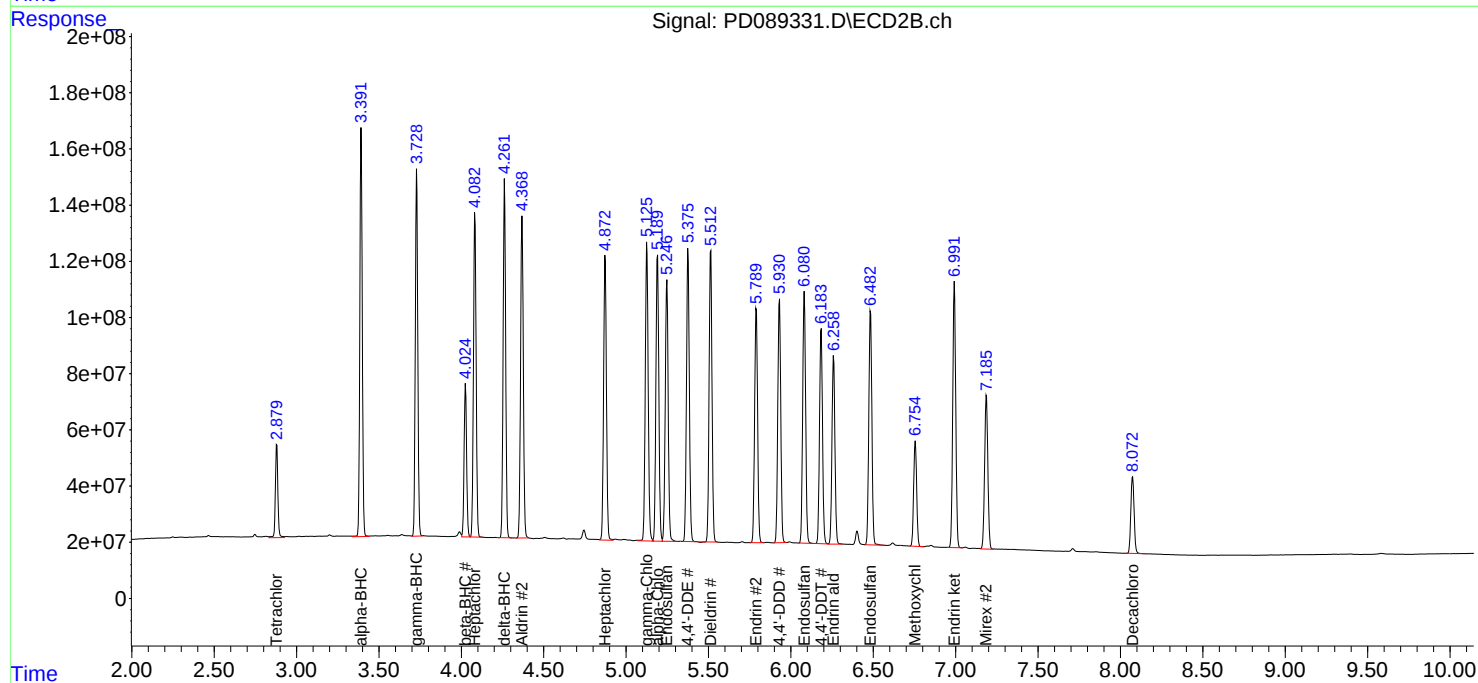
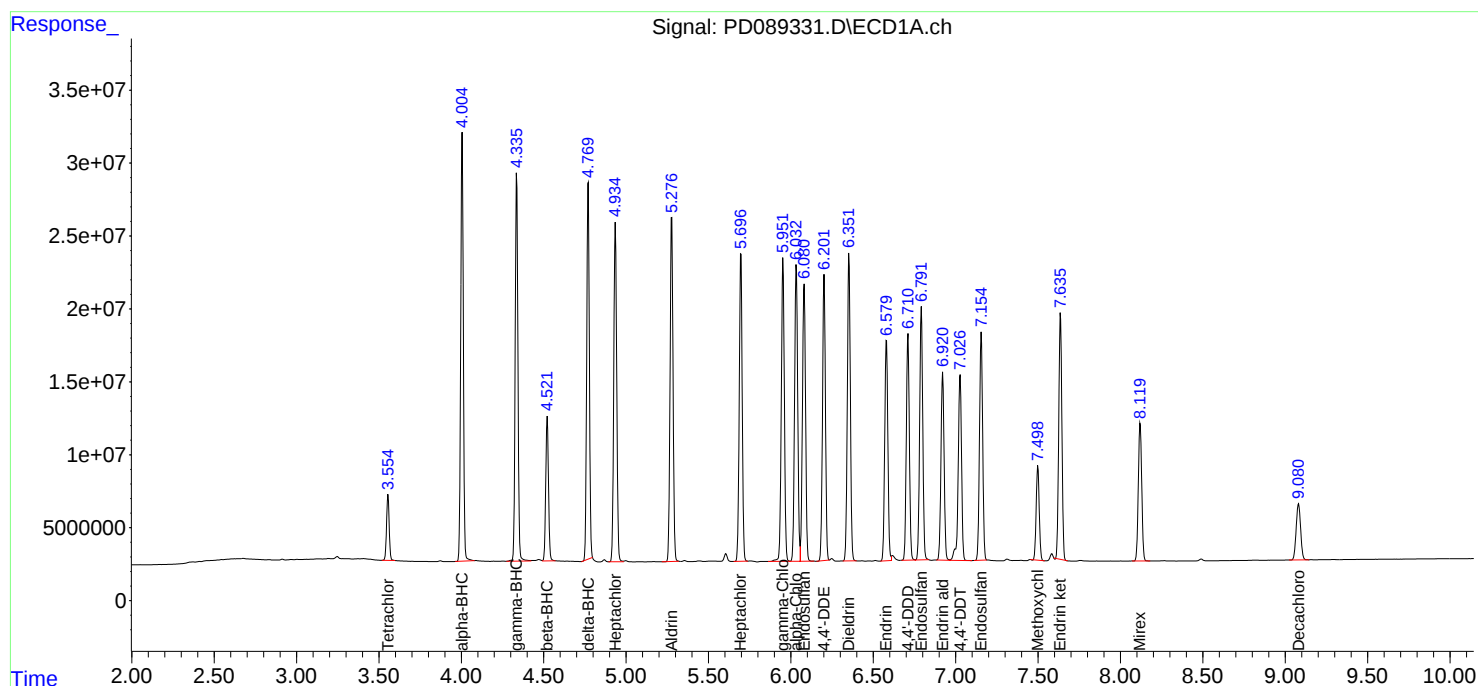
Instrument :
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ClientSampleId :
PB168718BSD

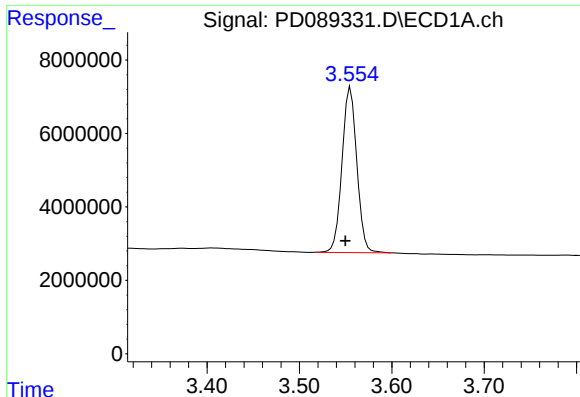
Manual Integrations
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Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 04 02:17:56 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





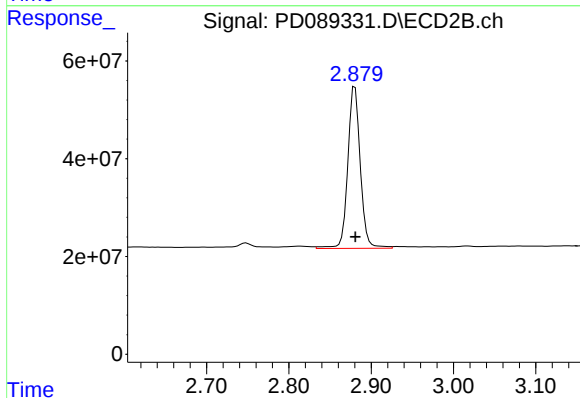
#1 Tetrachloro-m-xylene

R.T.: 3.555 min
Delta R.T.: 0.005 min
Response: 50160508
Conc: 17.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168718BSD

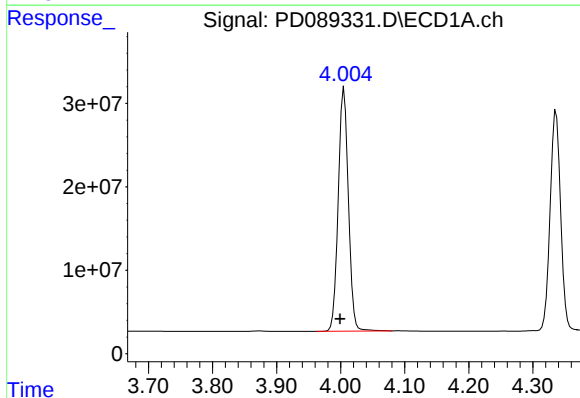
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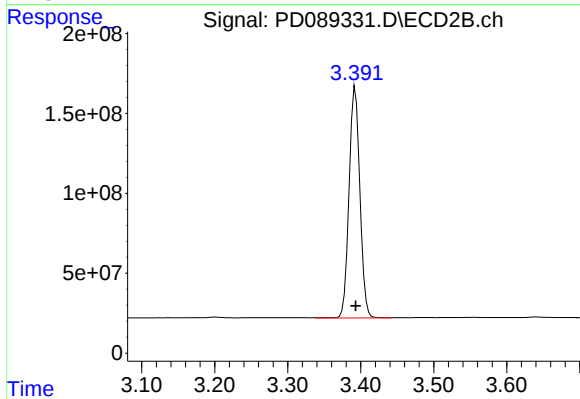
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 351690956
Conc: 20.74 ng/ml



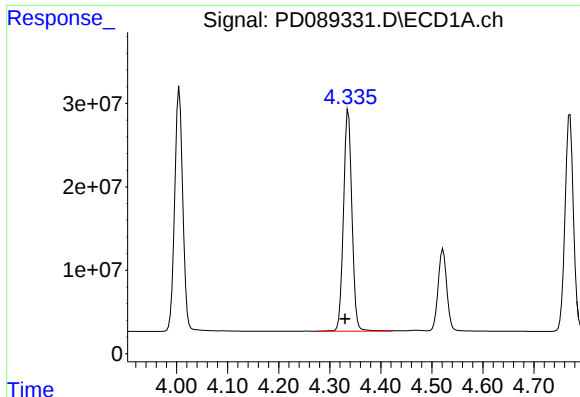
#2 alpha-BHC

R.T.: 4.005 min
Delta R.T.: 0.006 min
Response: 321423665
Conc: 55.14 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 1493326633
Conc: 55.73 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.336 min
Delta R.T.: 0.006 min
Response: 305035123
Conc: 54.65 ng/ml

Instrument :

ECD_D

ClientSampleId :

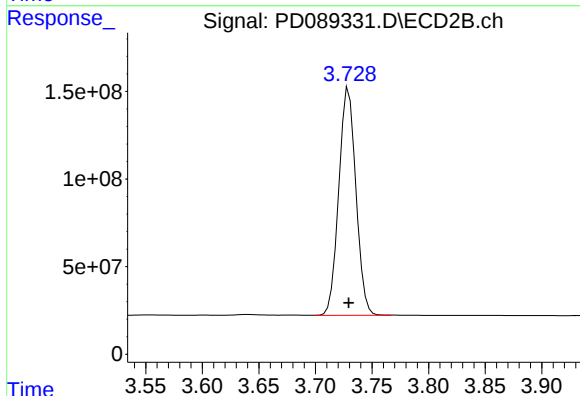
PB168718BSD

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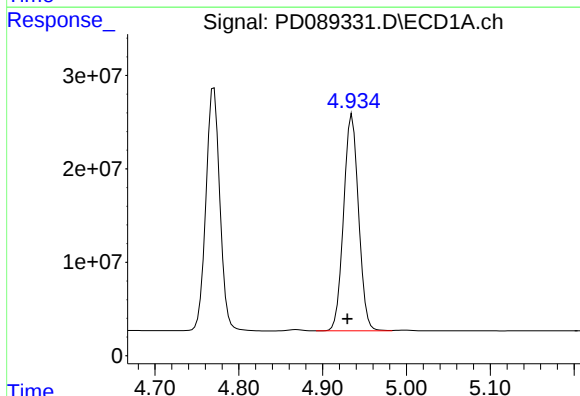
Reviewed By :Abdul Mirza 07/07/2025

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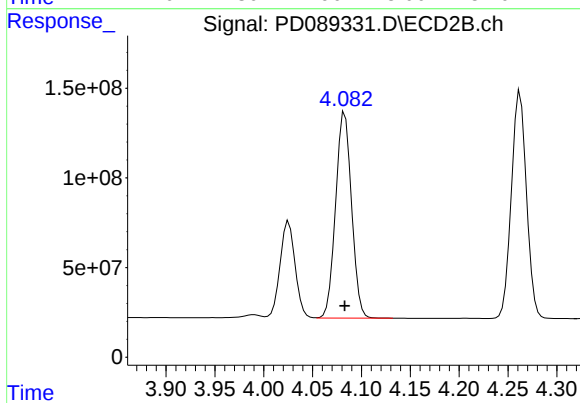
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.001 min
Response: 1368946410
Conc: 55.30 ng/ml m



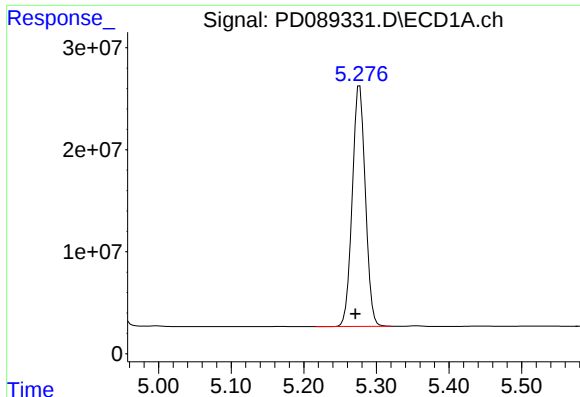
#4 Heptachlor

R.T.: 4.935 min
Delta R.T.: 0.006 min
Response: 287942906
Conc: 52.81 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 1303696702
Conc: 52.07 ng/ml



#5 Aldrin

R.T.: 5.277 min
Delta R.T.: 0.006 min
Response: 295583252
Conc: 55.63 ng/ml

Instrument :

ECD_D

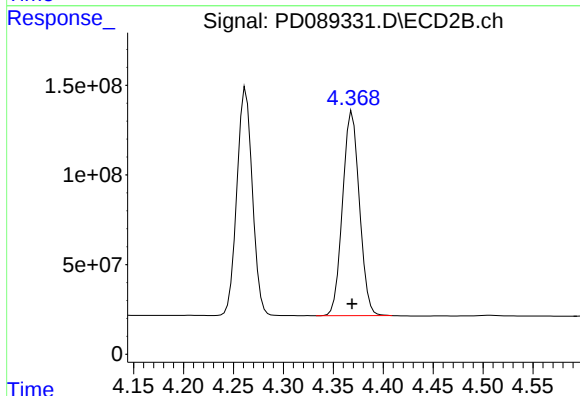
ClientSampleId :

PB168718BSD

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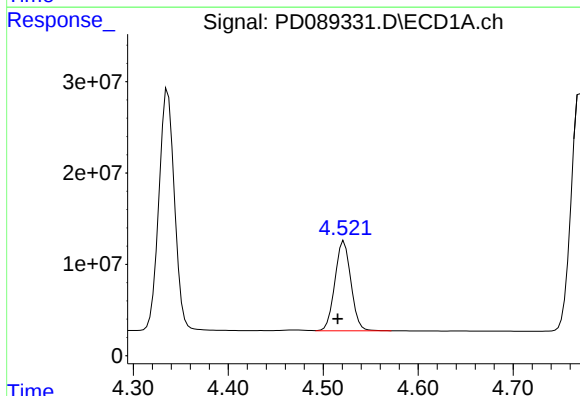
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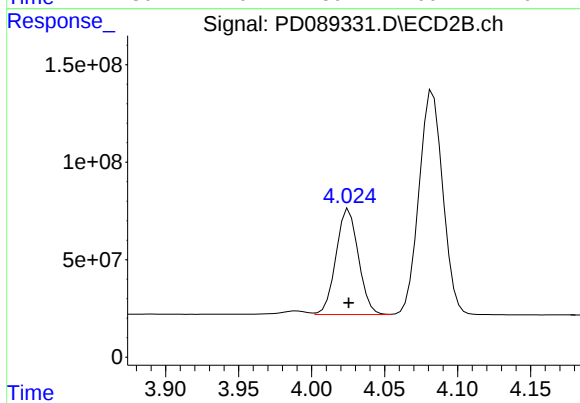
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: 0.000 min
Response: 1338518857
Conc: 55.27 ng/ml



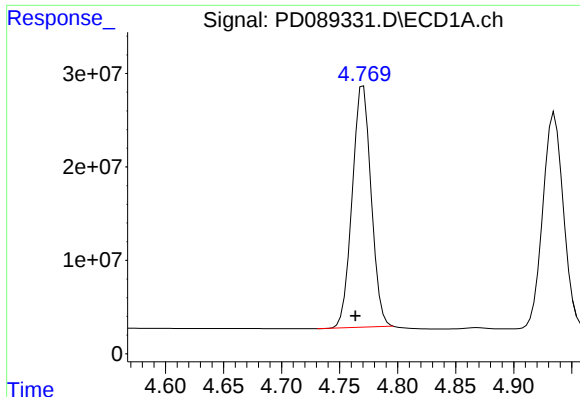
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.007 min
Response: 115318793
Conc: 52.25 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 577584673
Conc: 53.75 ng/ml



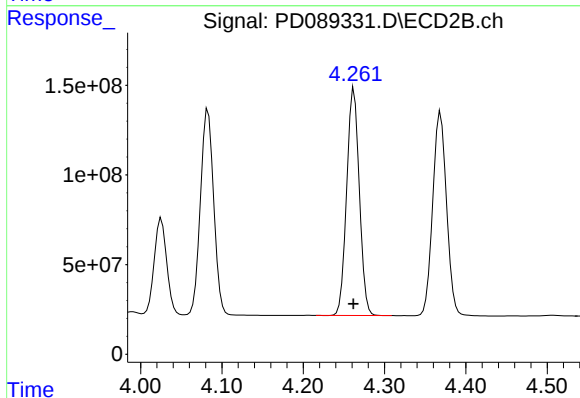
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: 0.007 min
Response: 293006801
Conc: 57.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168718BSD

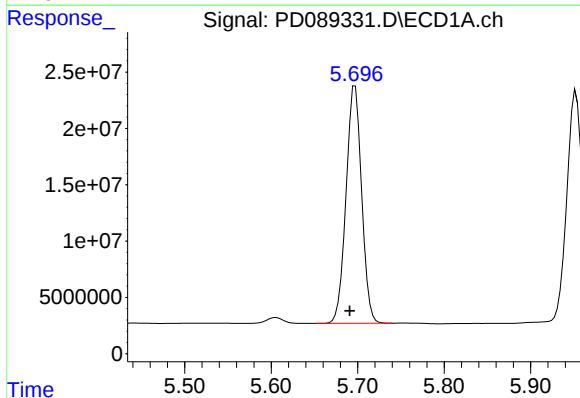
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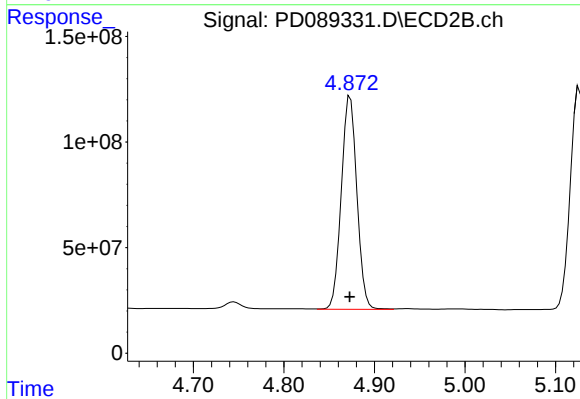
#7 delta-BHC

R.T.: 4.263 min
Delta R.T.: 0.000 min
Response: 1365137513
Conc: 54.88 ng/ml



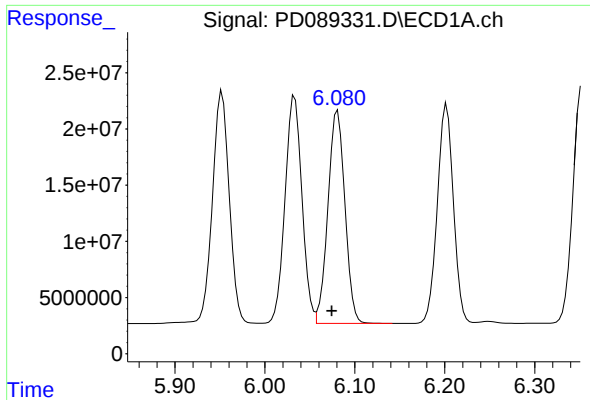
#8 Heptachlor epoxide

R.T.: 5.697 min
Delta R.T.: 0.006 min
Response: 262666982
Conc: 54.45 ng/ml



#8 Heptachlor epoxide

R.T.: 4.873 min
Delta R.T.: 0.000 min
Response: 1210453076
Conc: 55.28 ng/ml



#9 Endosulfan I

R.T.: 6.081 min
Delta R.T.: 0.007 min
Response: 248652867
Conc: 55.16 ng/ml

Instrument :

ECD_D

ClientSampleId :

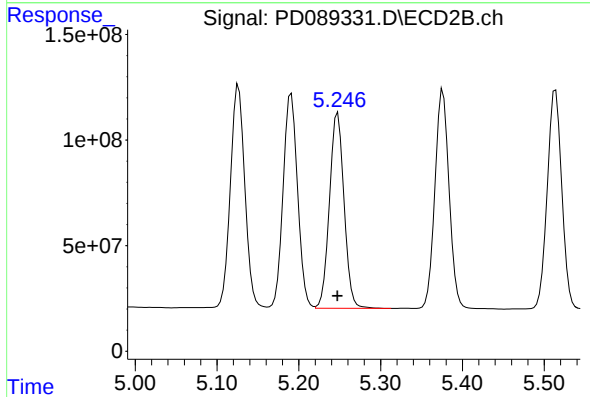
PB168718BSD

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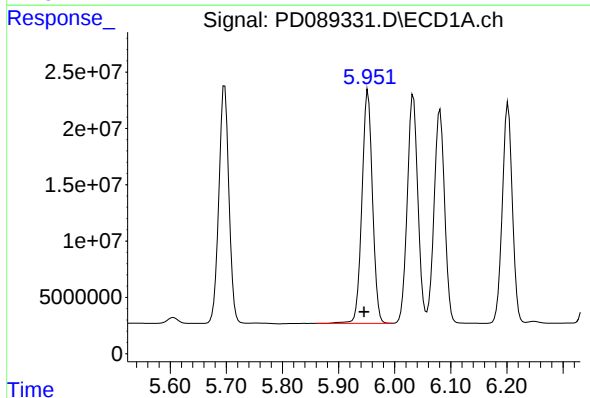
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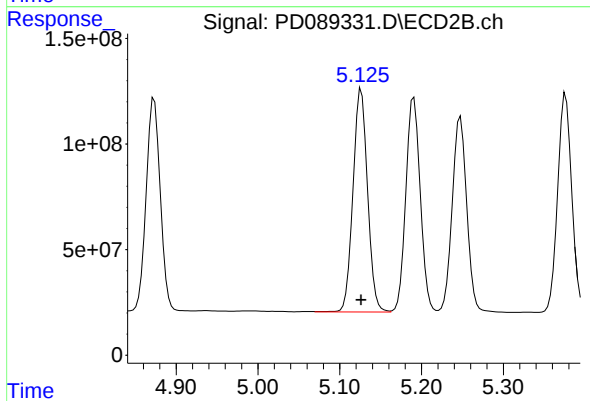
#9 Endosulfan I

R.T.: 5.248 min
Delta R.T.: 0.000 min
Response: 1148597191
Conc: 55.11 ng/ml



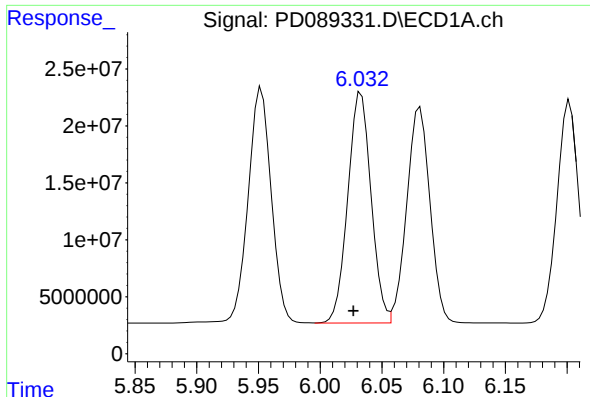
#10 gamma-Chlordane

R.T.: 5.952 min
Delta R.T.: 0.007 min
Response: 269908695
Conc: 56.37 ng/ml



#10 gamma-Chlordane

R.T.: 5.126 min
Delta R.T.: 0.000 min
Response: 1304837505
Conc: 54.54 ng/ml



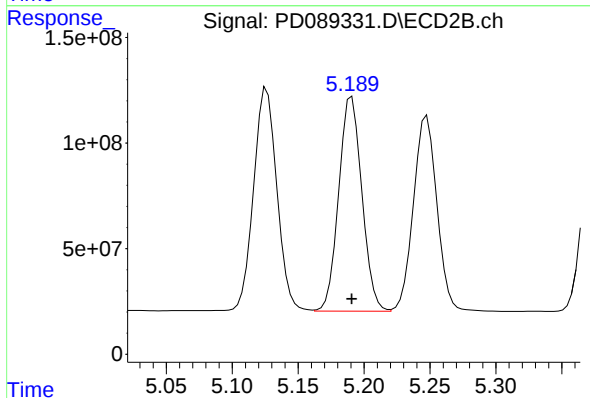
#11 alpha-Chlordane

R.T.: 6.033 min
Delta R.T.: 0.006 min
Response: 265857331
Conc: 54.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168718BSD

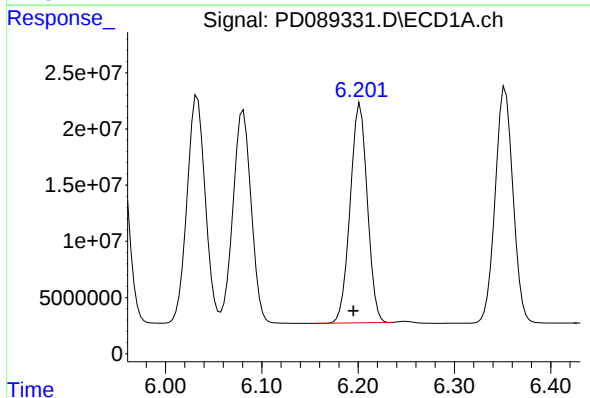
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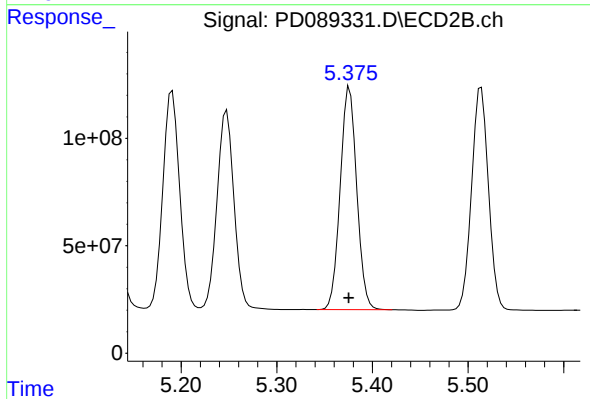
#11 alpha-Chlordane

R.T.: 5.191 min
Delta R.T.: 0.000 min
Response: 1241294286
Conc: 54.21 ng/ml



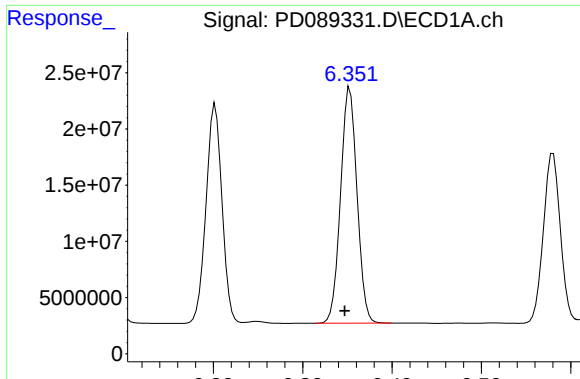
#12 4,4'-DDE

R.T.: 6.202 min
Delta R.T.: 0.007 min
Response: 240875087
Conc: 55.23 ng/ml



#12 4,4'-DDE

R.T.: 5.376 min
Delta R.T.: 0.001 min
Response: 1250497242
Conc: 54.57 ng/ml



#13 Dieldrin

R.T.: 6.353 min
Delta R.T.: 0.006 min
Response: 268407173
Conc: 55.95 ng/ml

Instrument :

ECD_D

ClientSampleId :

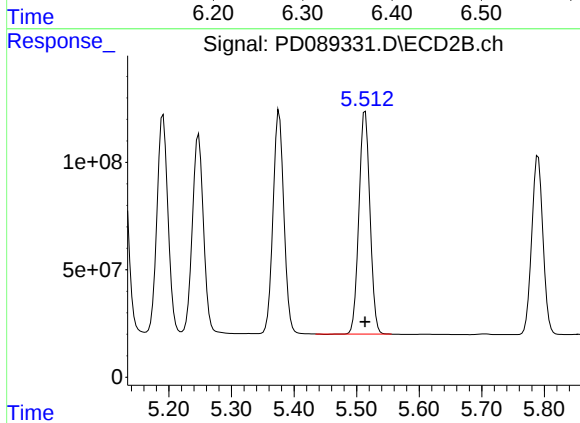
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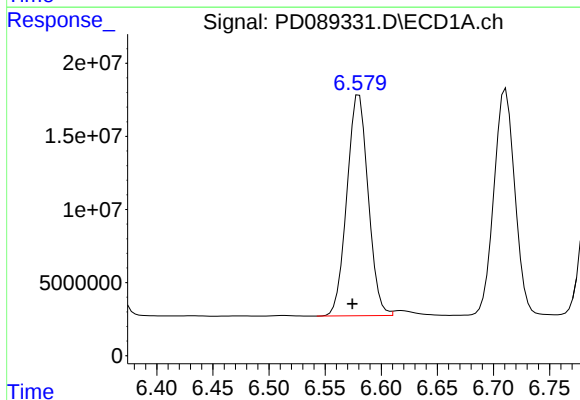
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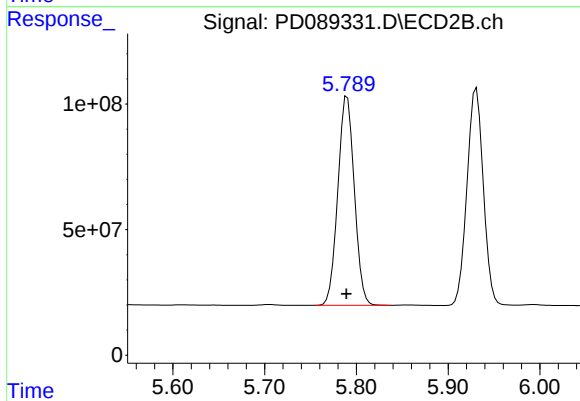
#13 Dieldrin

R.T.: 5.514 min
Delta R.T.: 0.000 min
Response: 1272557024
Conc: 54.83 ng/ml



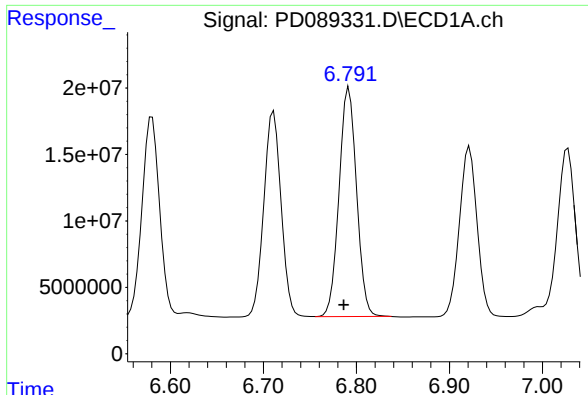
#14 Endrin

R.T.: 6.580 min
Delta R.T.: 0.006 min
Response: 199387879
Conc: 48.33 ng/ml



#14 Endrin

R.T.: 5.790 min
Delta R.T.: 0.001 min
Response: 1039368673
Conc: 47.87 ng/ml



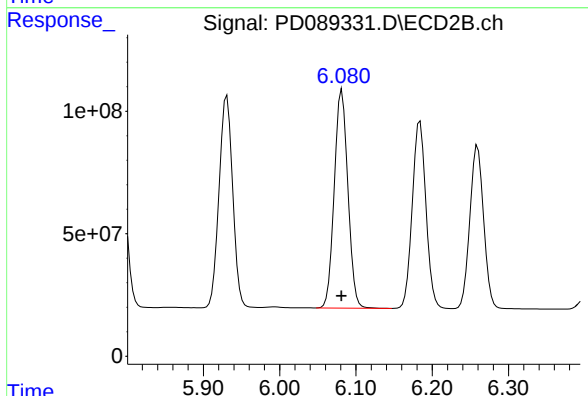
#15 Endosulfan II

R.T.: 6.792 min
Delta R.T.: 0.006 min
Response: 225968267
Conc: 55.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168718BSD

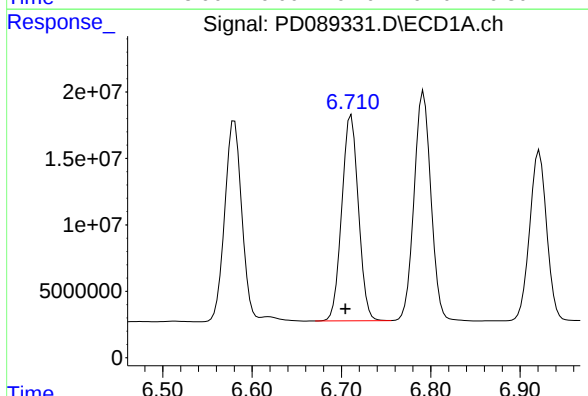
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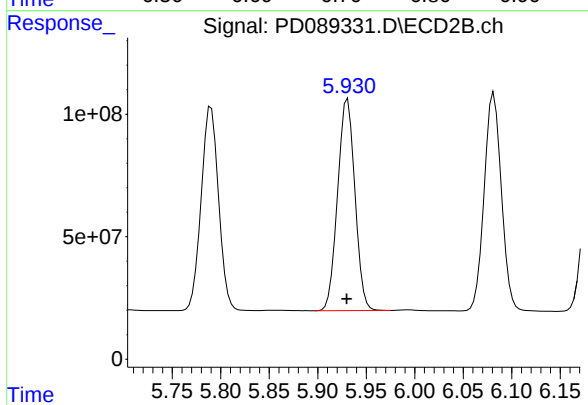
#15 Endosulfan II

R.T.: 6.082 min
Delta R.T.: 0.000 min
Response: 1100501835
Conc: 54.49 ng/ml



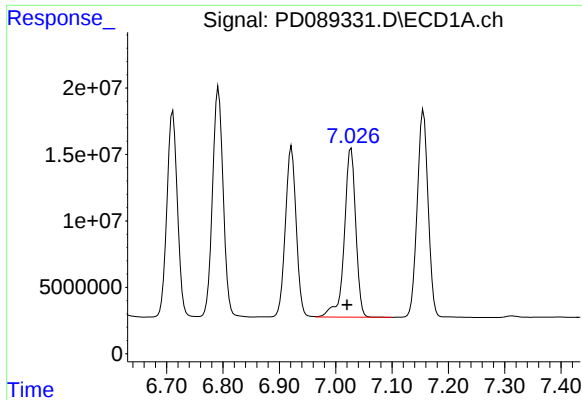
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.006 min
Response: 200091428
Conc: 58.30 ng/ml



#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: 0.001 min
Response: 1070191520
Conc: 55.94 ng/ml



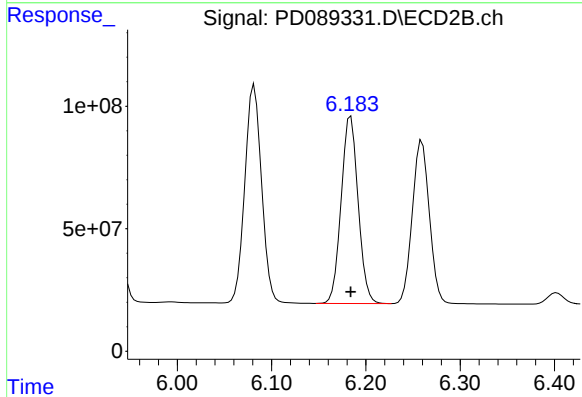
#17 4,4'-DDT

R.T.: 7.027 min
Delta R.T.: 0.007 min
Response: 179780333
Conc: 47.46 ng/ml

Instrument :
ECD_D
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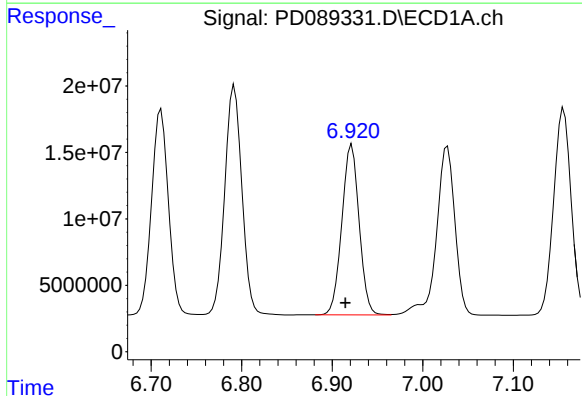
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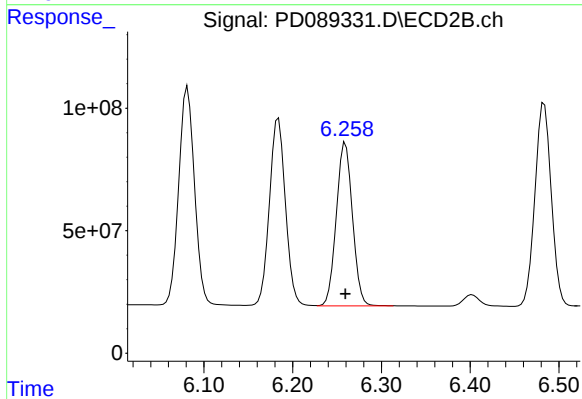
#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: 0.000 min
Response: 956696408
Conc: 47.18 ng/ml



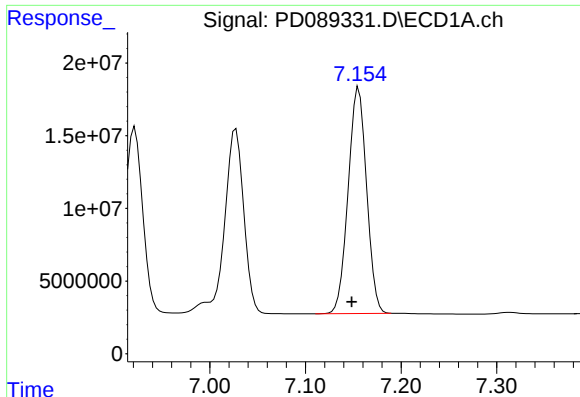
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: 0.007 min
Response: 170028764
Conc: 55.49 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.001 min
Response: 842667690
Conc: 55.04 ng/ml m



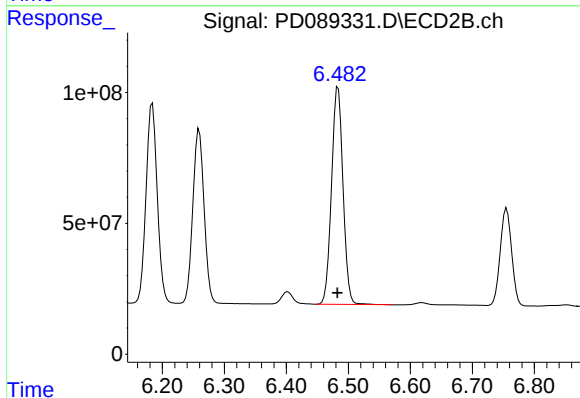
#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: 0.007 min
Response: 209237008
Conc: 54.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168718BSD

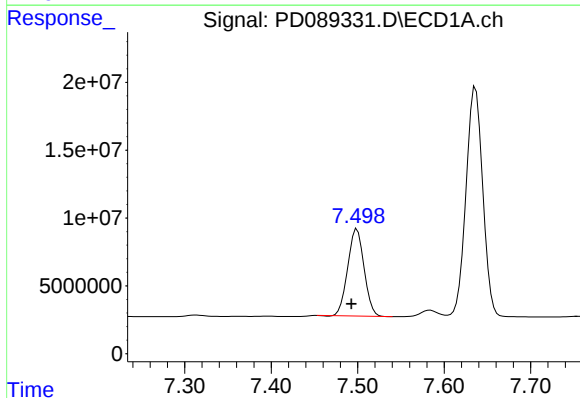
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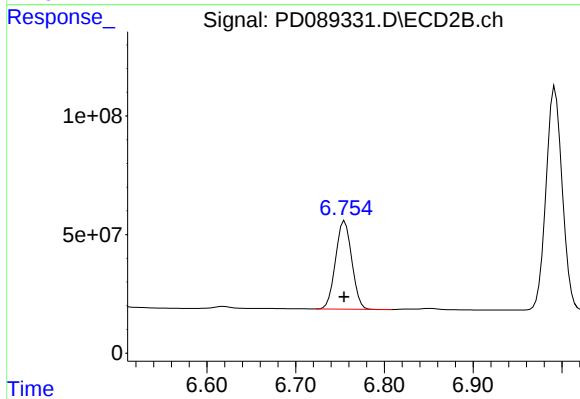
#19 Endosulfan Sulfate

R.T.: 6.483 min
Delta R.T.: 0.000 min
Response: 1071326215
Conc: 54.60 ng/ml



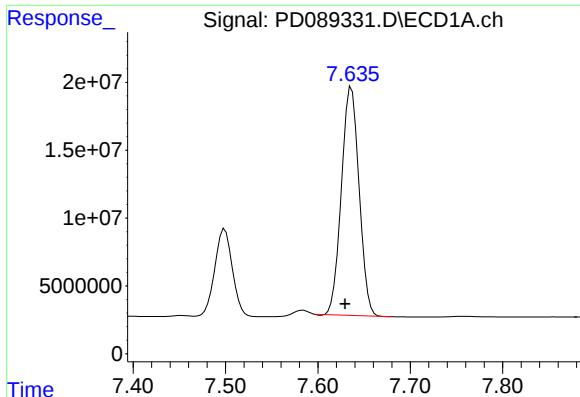
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.007 min
Response: 83991927
Conc: 41.57 ng/ml



#20 Methoxychlor

R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 473552651
Conc: 43.98 ng/ml



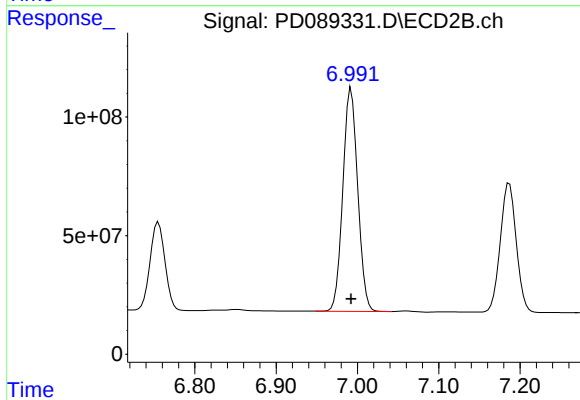
#21 Endrin ketone

R.T.: 7.636 min
Delta R.T.: 0.007 min
Response: 223758618
Conc: 54.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168718BSD

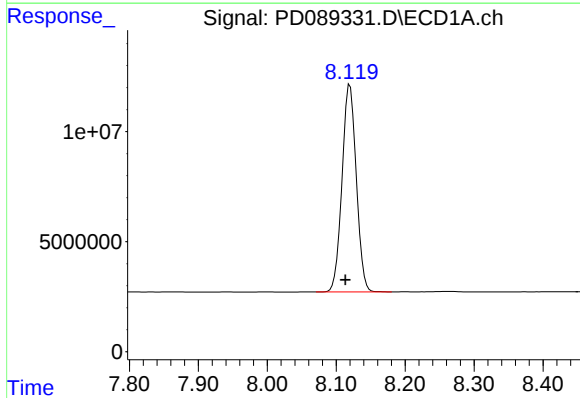
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/07/2025
Supervised By :mohammad ahmed 07/09/2025



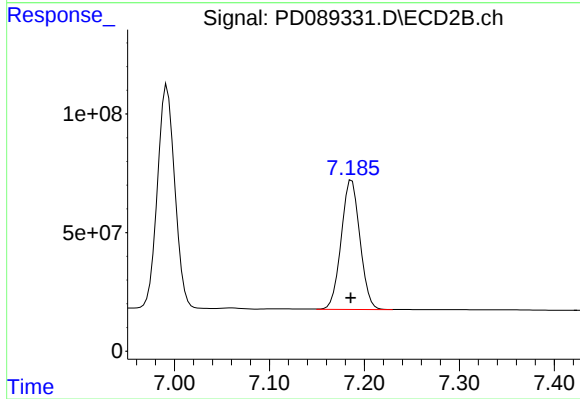
#21 Endrin ketone

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 1194192597
Conc: 55.28 ng/ml



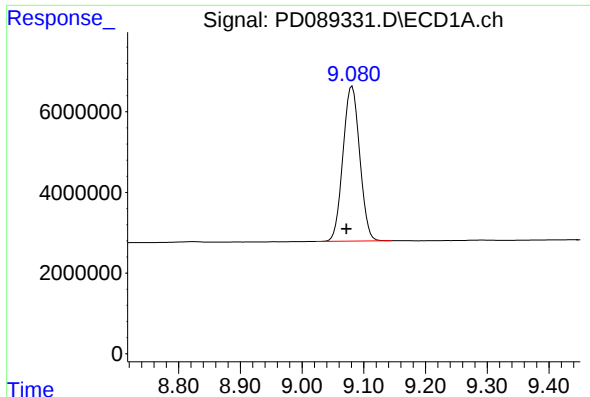
#22 Mirex

R.T.: 8.120 min
Delta R.T.: 0.007 min
Response: 135454756
Conc: 44.56 ng/ml



#22 Mirex

R.T.: 7.187 min
Delta R.T.: 0.000 min
Response: 750751751
Conc: 45.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.081 min
Delta R.T.: 0.009 min
Response: 72406437
Conc: 18.44 ng/ml

Instrument :

ECD_D

ClientSampleId :

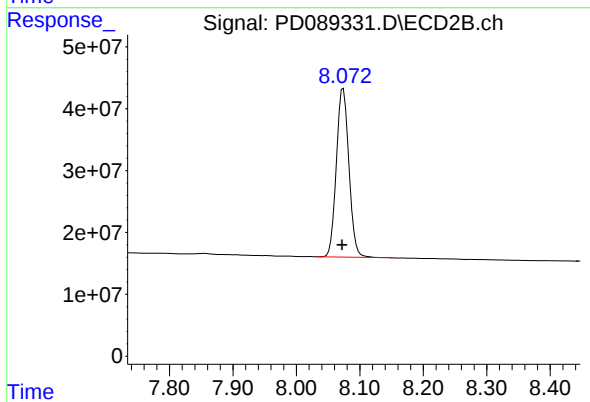
PB168718BSD

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#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: 0.002 min
Response: 375147731
Conc: 18.98 ng/ml