

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052025\
 Data File : PD088637.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 May 2025 12:04
 Operator : AR\AJ
 Sample : Q2062-01MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

L1-WC-1MSD

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/21/2025

Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 21 03:30:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 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	2.882	36325747	271.4E6	16.788	17.943
28)	SA Decachlor...	9.077	8.075	44293096	200.0E6	12.942	10.953
Target Compounds							
2)	A alpha-BHC	4.001	3.394	210.4E6	1098.6E6	44.040	45.960
3)	MA gamma-BHC...	4.332	3.731	203.4E6	998.9E6	44.187	45.063
4)	MA Heptachlor	4.931	4.084	186.2E6	977.1E6	41.647	43.516
5)	MB Aldrin	5.273	4.370	179.1E6	969.5E6	40.762	44.210
6)	B beta-BHC	4.517	4.026	77763602	445.2E6	43.126	45.703
7)	B delta-BHC	4.765	4.263	192.6E6	992.4E6	45.581	44.515
8)	B Heptachlo...	5.691	4.874	159.5E6	858.4E6	40.186m	43.200
9)	A Endosulfan I	6.076	5.249	146.4E6	778.8E6	38.907	41.035
10)	B gamma-Chl...	5.948	5.127	156.0E6	954.1E6	39.110	44.727
11)	B alpha-Chl...	6.029	5.192	163.0E6	894.1E6	40.695	43.353
12)	B 4,4'-DDE	6.198	5.376	139.6E6	860.7E6	38.884	41.176
13)	MA Dieldrin	6.350	5.514	150.5E6	866.5E6	37.522	41.174
14)	MA Endrin	6.576	5.790	129.8E6	771.9E6	38.011	40.028
15)	B Endosulfa...	6.788	6.082	126.3E6	720.1E6	36.689	39.303
16)	A 4,4'-DDD	6.707	5.931	111.4E6	695.5E6	39.993	39.989
17)	MA 4,4'-DDT	7.022	6.185	91469390	608.1E6	29.298m	33.528
18)	B Endrin al...	6.917	6.260	92880224	513.5E6	36.076	36.865
19)	B Endosulfa...	7.152	6.484	119.0E6	674.5E6	37.140	37.987
20)	A Methoxychlor	7.495	6.755	51350002	320.0E6	30.738	33.419m
21)	B Endrin ke...	7.632	6.993	122.9E6	671.6E6	35.911	34.714
22)	Mirex	8.117	7.187	92795149	510.6E6	35.714	33.588

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052025\
Data File : PD088637.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2025 12:04
Operator : AR\AJ
Sample : Q2062-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

L1-WC-1MSD

Manual Integrations

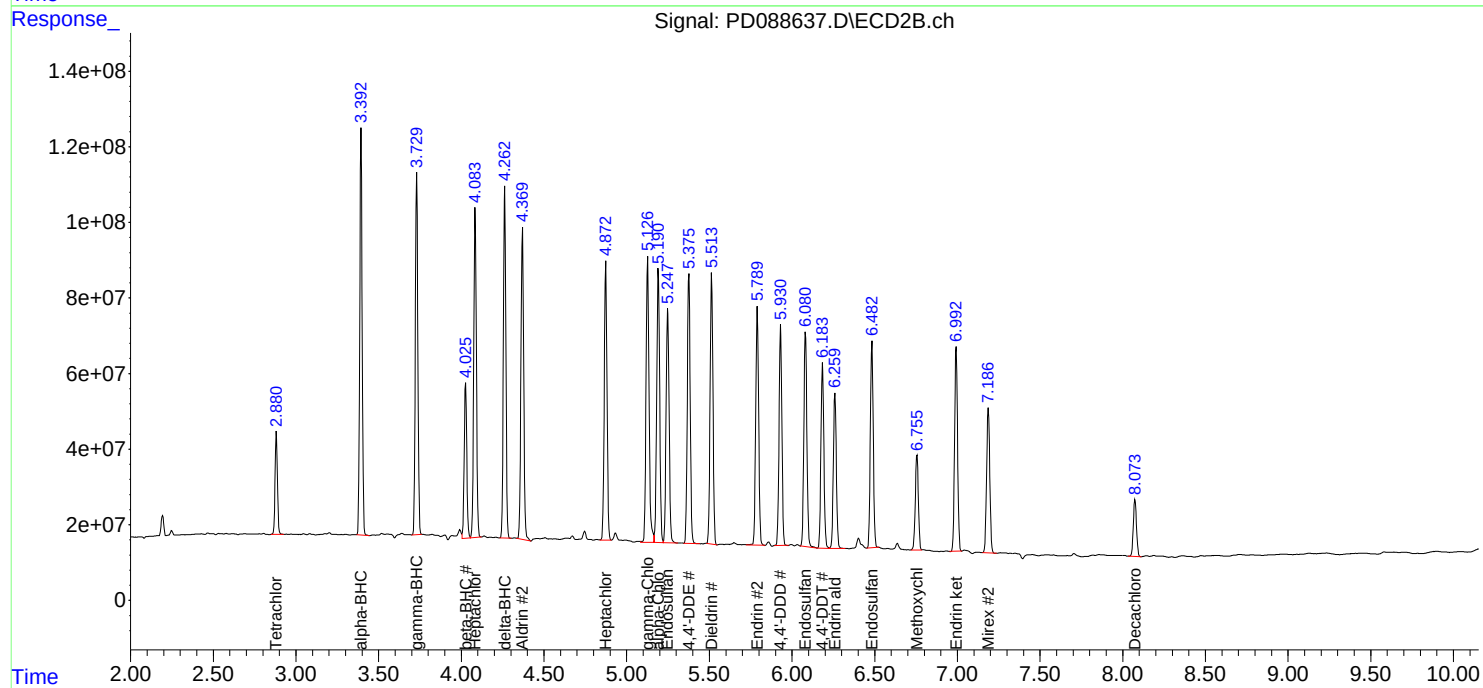
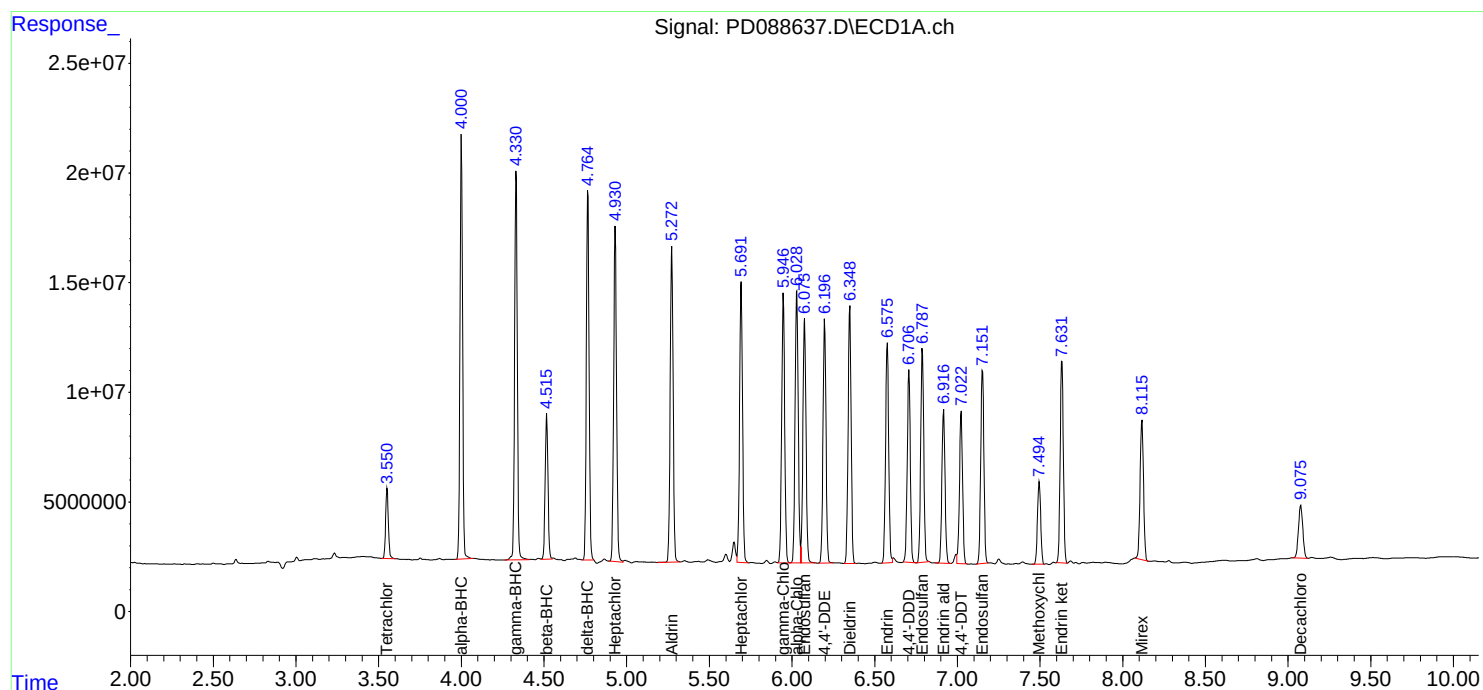
APPROVED

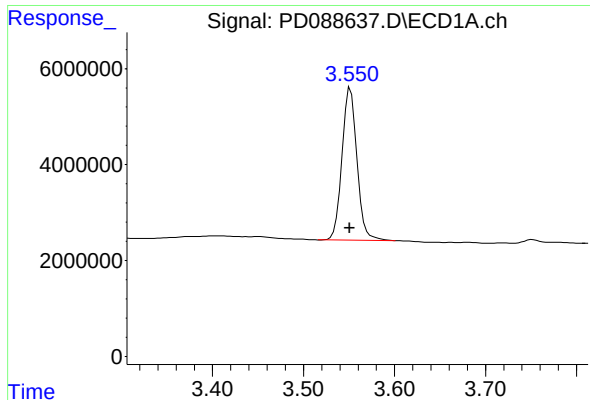
Reviewed By :Abdul Mirza 05/21/2025

Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 21 03:30:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





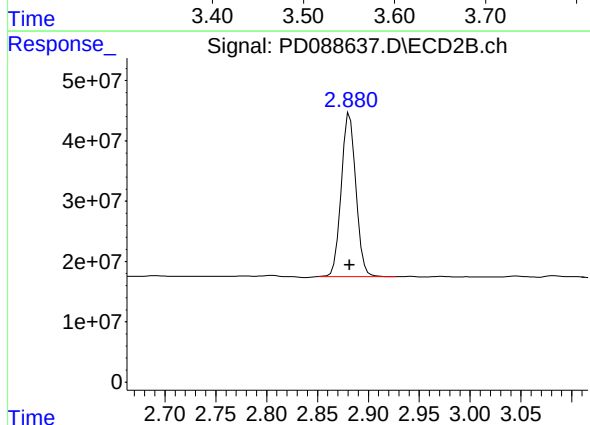
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 36325747
Conc: 16.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
L1-WC-1MSD

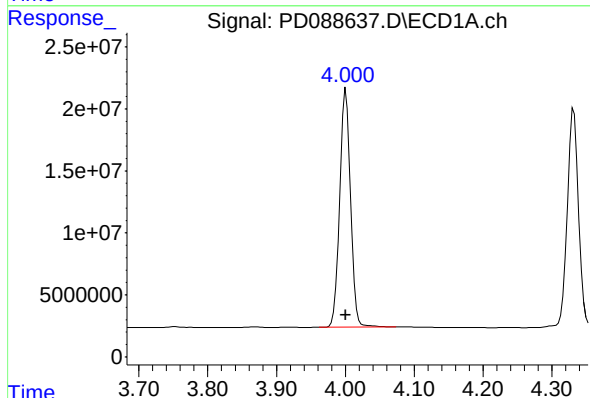
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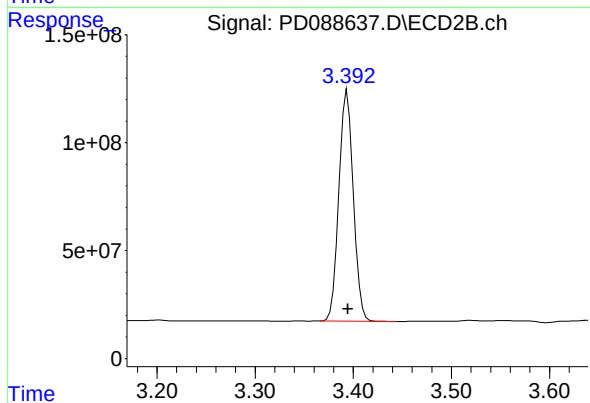
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 271419754
Conc: 17.94 ng/ml



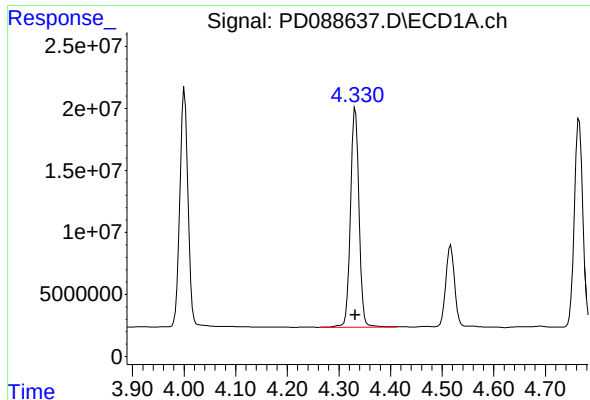
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 210359912
Conc: 44.04 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 1098613592
Conc: 45.96 ng/ml



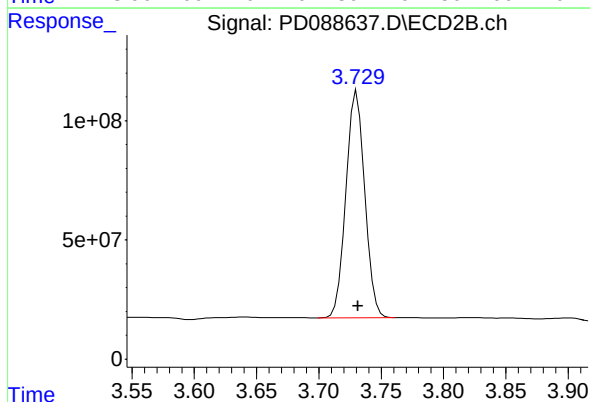
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 203380322
Conc: 44.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
L1-WC-1MSD

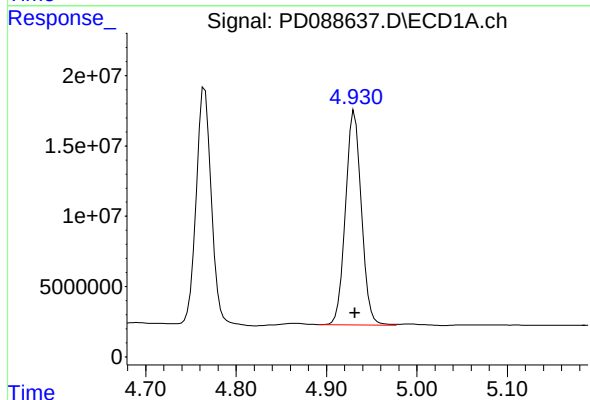
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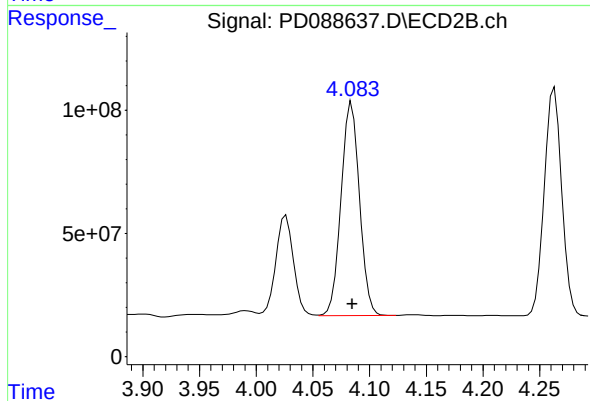
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 998863166
Conc: 45.06 ng/ml



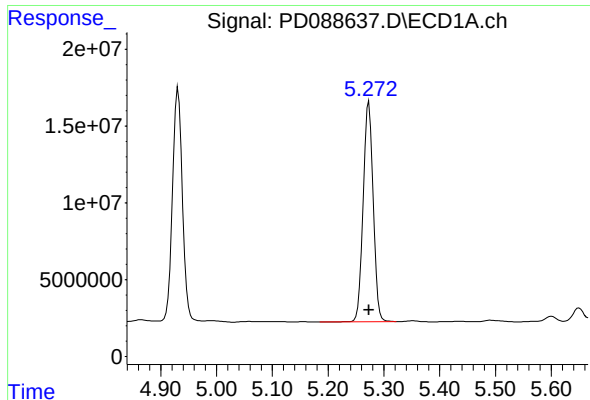
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 186215026
Conc: 41.65 ng/ml



#4 Heptachlor

R.T.: 4.084 min
Delta R.T.: 0.000 min
Response: 977136978
Conc: 43.52 ng/ml



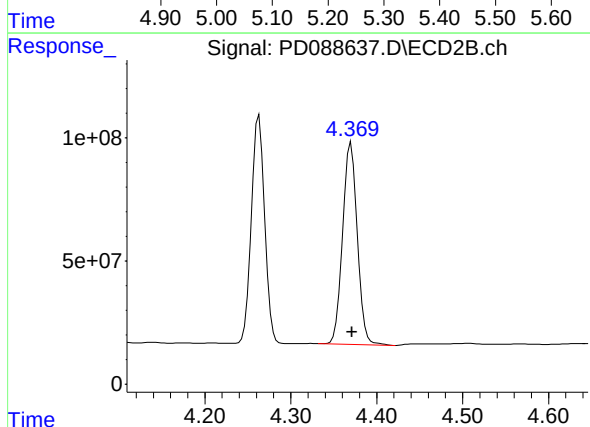
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 179128783
Conc: 40.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
L1-WC-1MSD

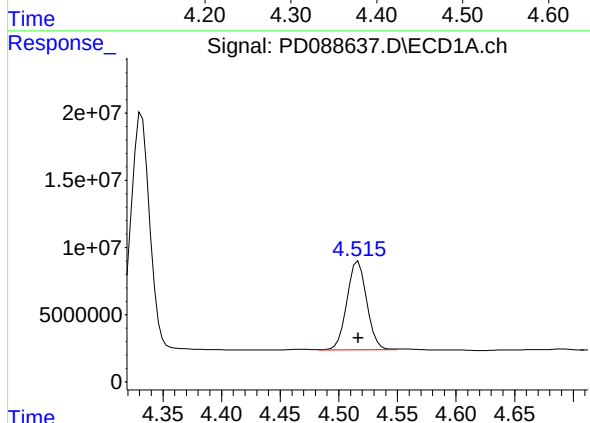
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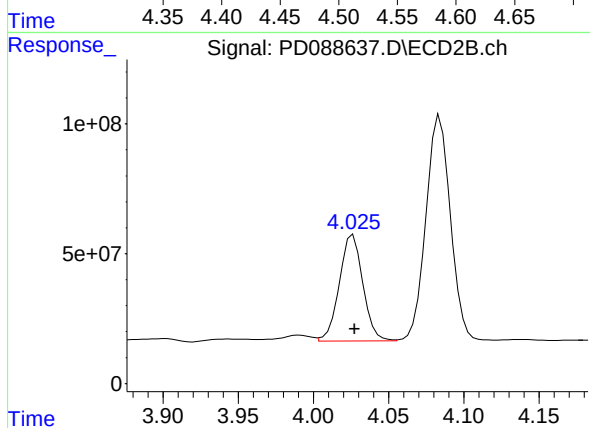
#5 Aldrin

R.T.: 4.370 min
Delta R.T.: -0.001 min
Response: 969520075
Conc: 44.21 ng/ml



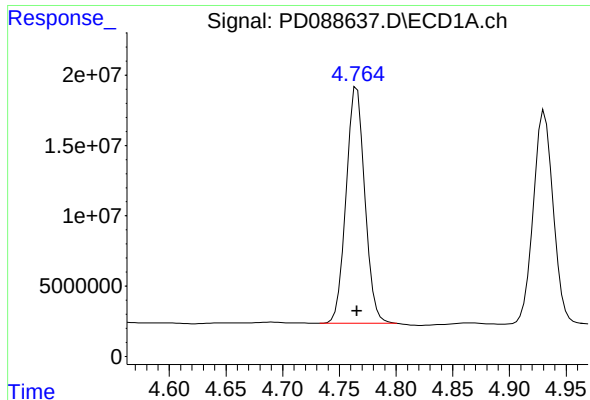
#6 beta-BHC

R.T.: 4.517 min
Delta R.T.: 0.000 min
Response: 77763602
Conc: 43.13 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: -0.001 min
Response: 445231593
Conc: 45.70 ng/ml



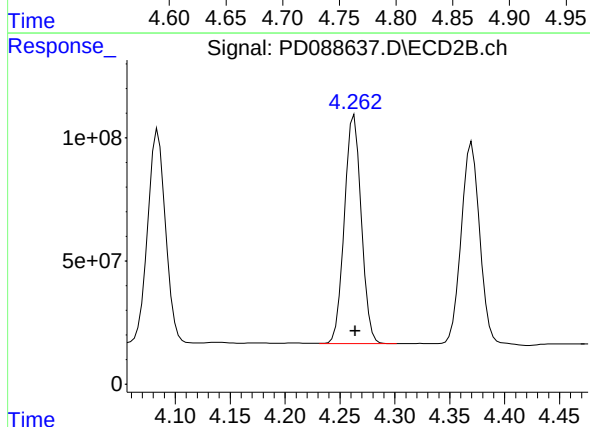
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 192632419
Conc: 45.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
L1-WC-1MSD

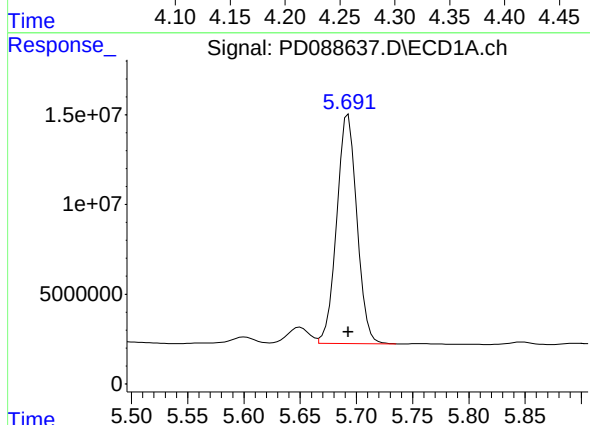
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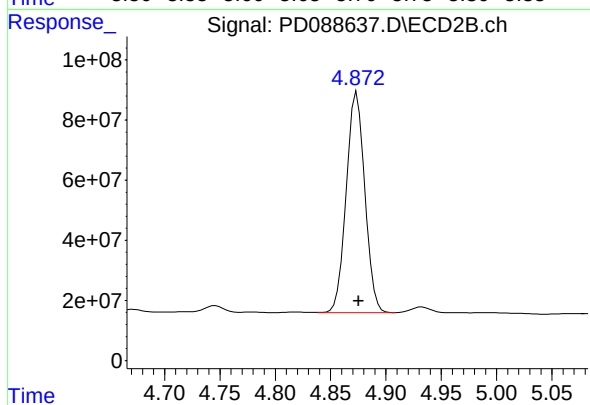
#7 delta-BHC

R.T.: 4.263 min
Delta R.T.: 0.000 min
Response: 992414444
Conc: 44.51 ng/ml



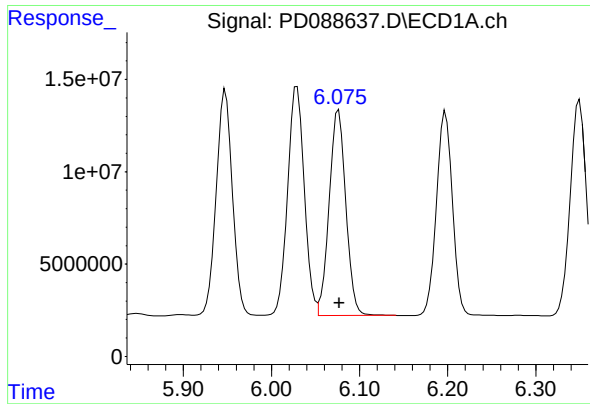
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: -0.001 min
Response: 159509949
Conc: 40.19 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.874 min
Delta R.T.: -0.002 min
Response: 858429936
Conc: 43.20 ng/ml



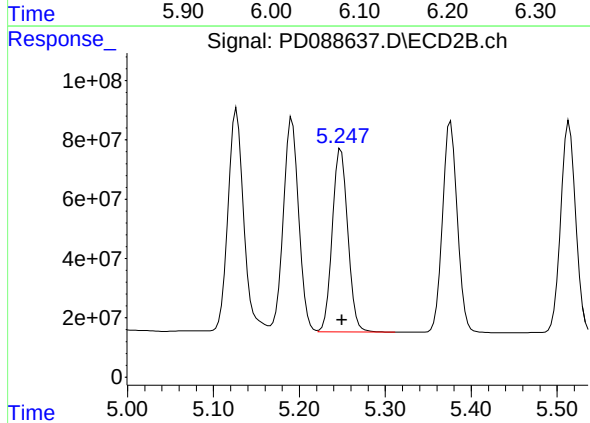
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 146403668
Conc: 38.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
L1-WC-1MSD

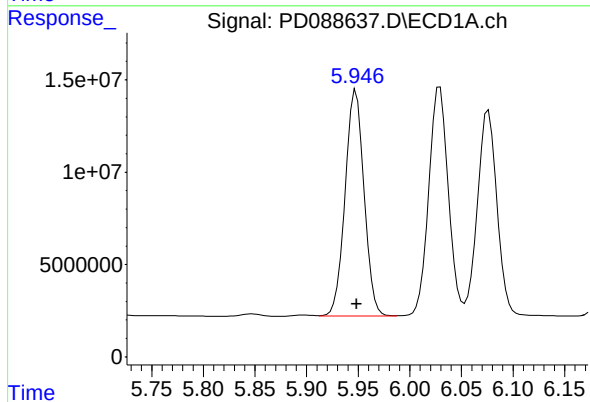
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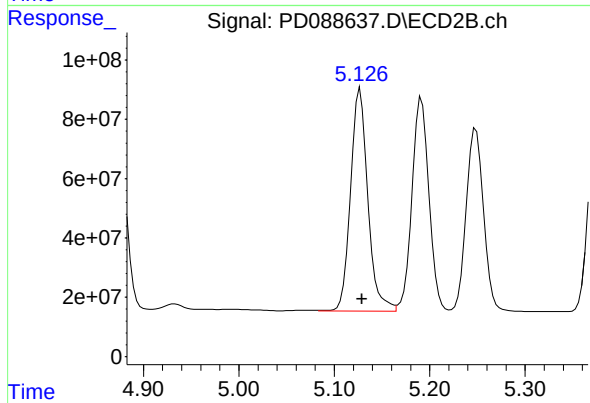
#9 Endosulfan I

R.T.: 5.249 min
Delta R.T.: -0.001 min
Response: 778789146
Conc: 41.04 ng/ml



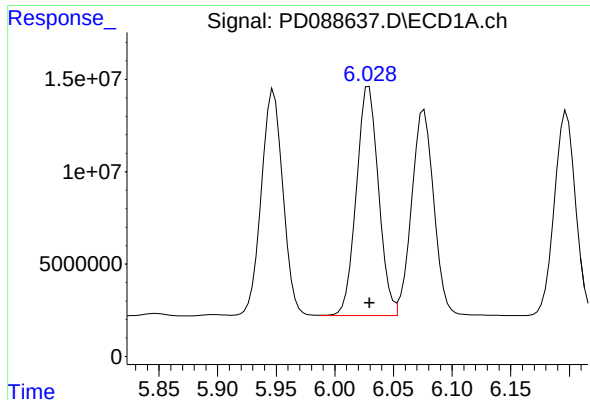
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 156009362
Conc: 39.11 ng/ml



#10 gamma-Chlordane

R.T.: 5.127 min
Delta R.T.: -0.002 min
Response: 954114208
Conc: 44.73 ng/ml



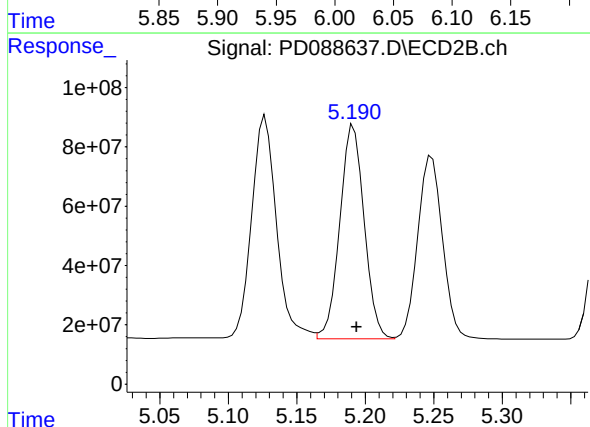
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 163035876
Conc: 40.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
L1-WC-1MSD

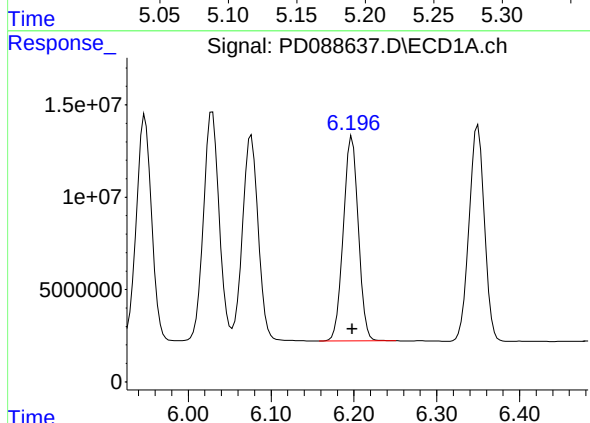
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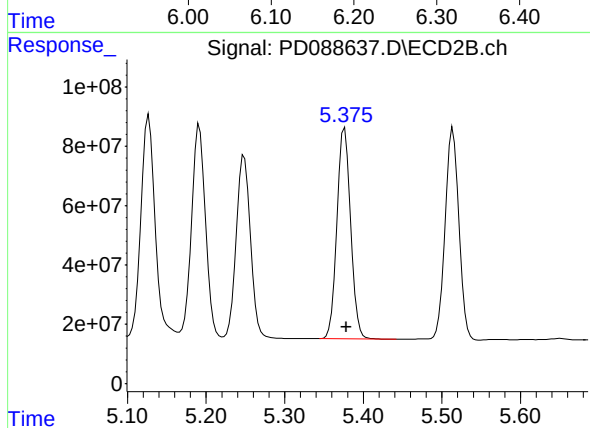
#11 alpha-Chlordane

R.T.: 5.192 min
Delta R.T.: -0.002 min
Response: 894144773
Conc: 43.35 ng/ml



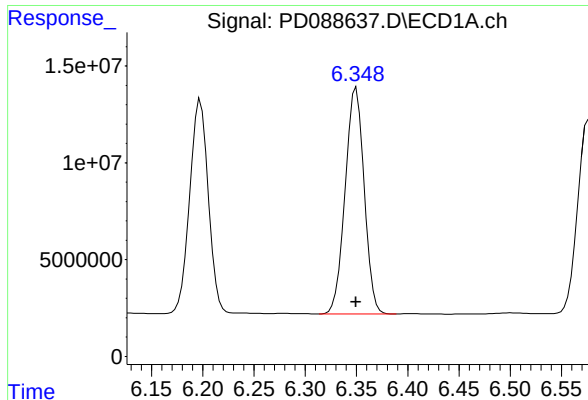
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.000 min
Response: 139570871
Conc: 38.88 ng/ml



#12 4,4'-DDE

R.T.: 5.376 min
Delta R.T.: -0.002 min
Response: 860681576
Conc: 41.18 ng/ml



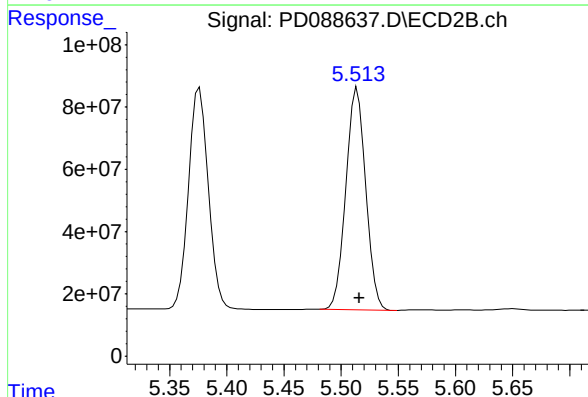
#13 Dieldrin

R.T.: 6.350 min
Delta R.T.: 0.000 min
Response: 150527281
Conc: 37.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
L1-WC-1MSD

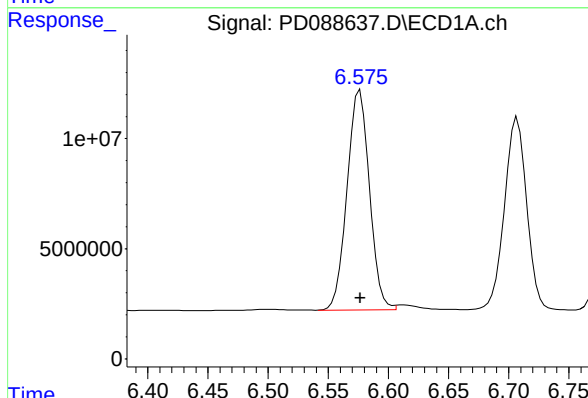
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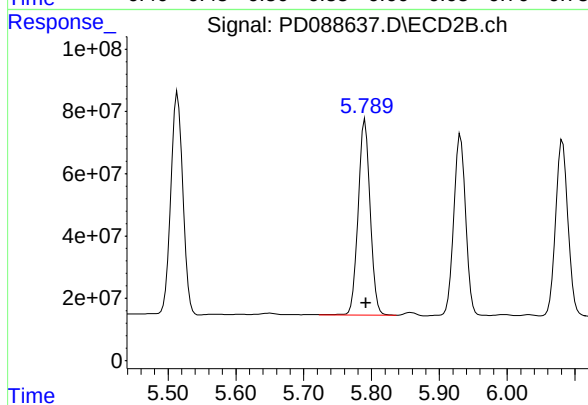
#13 Dieldrin

R.T.: 5.514 min
Delta R.T.: -0.002 min
Response: 866453247
Conc: 41.17 ng/ml



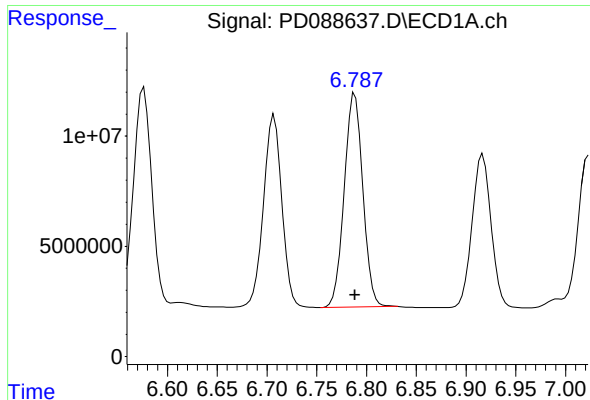
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 129815497
Conc: 38.01 ng/ml



#14 Endrin

R.T.: 5.790 min
Delta R.T.: -0.002 min
Response: 771893978
Conc: 40.03 ng/ml



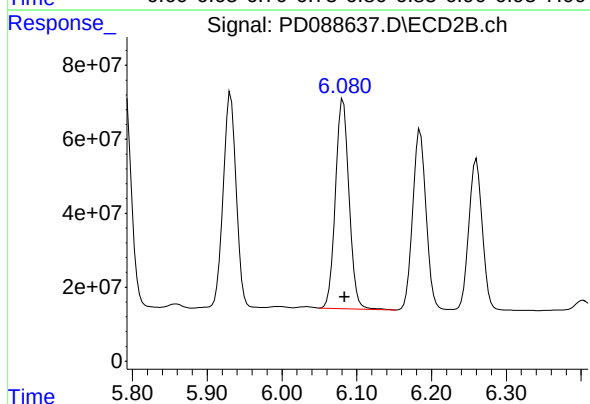
#15 Endosulfan II

R.T.: 6.788 min
Delta R.T.: 0.000 min
Response: 126343086
Conc: 36.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
L1-WC-1MSD

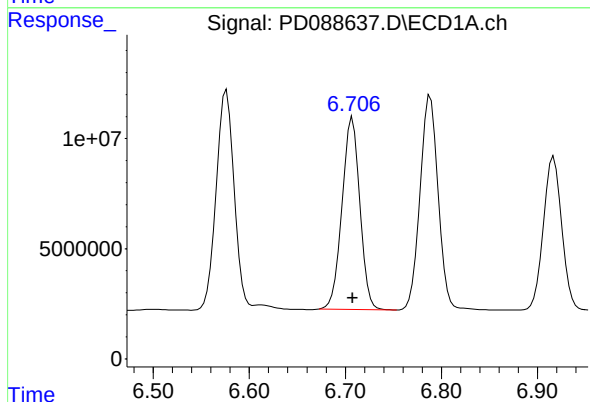
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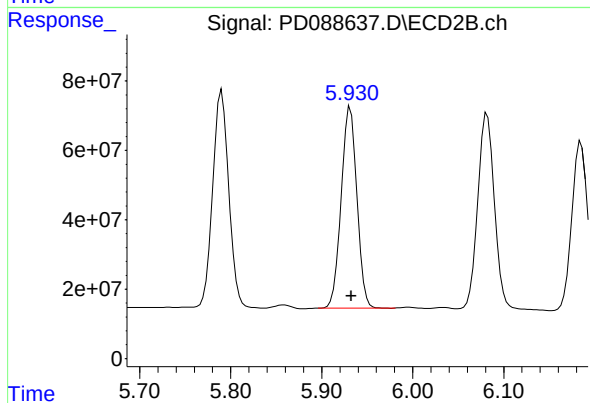
#15 Endosulfan II

R.T.: 6.082 min
Delta R.T.: -0.002 min
Response: 720104032
Conc: 39.30 ng/ml



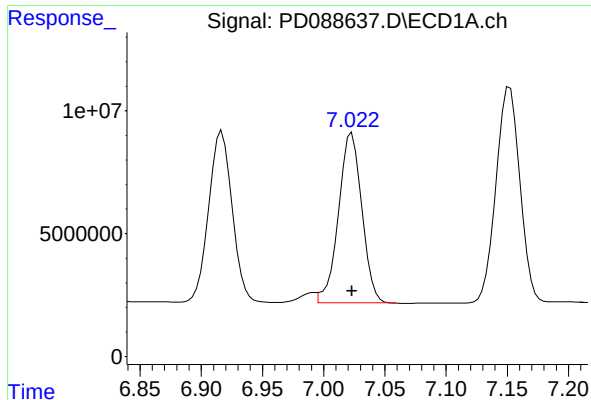
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 111385313
Conc: 39.99 ng/ml



#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: -0.001 min
Response: 695507869
Conc: 39.99 ng/ml



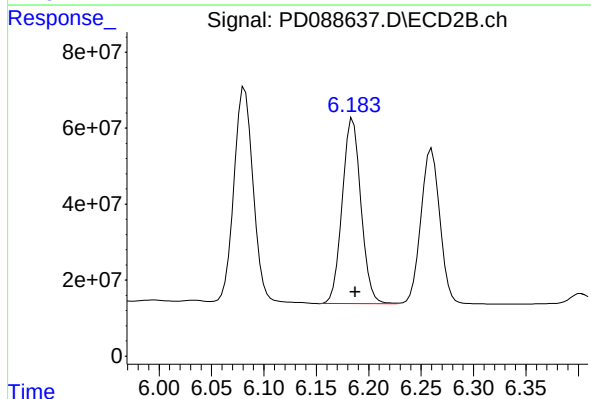
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: -0.002 min
Response: 91469390
Conc: 29.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
L1-WC-1MSD

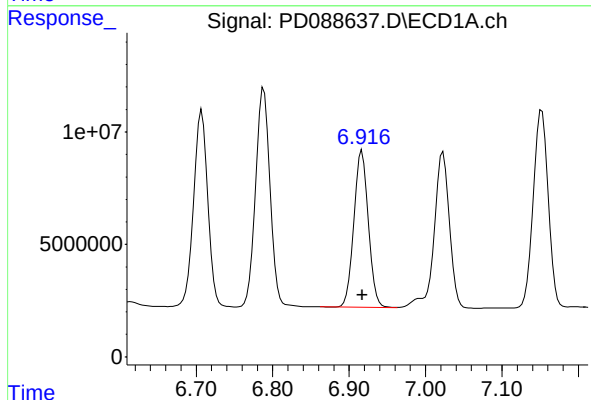
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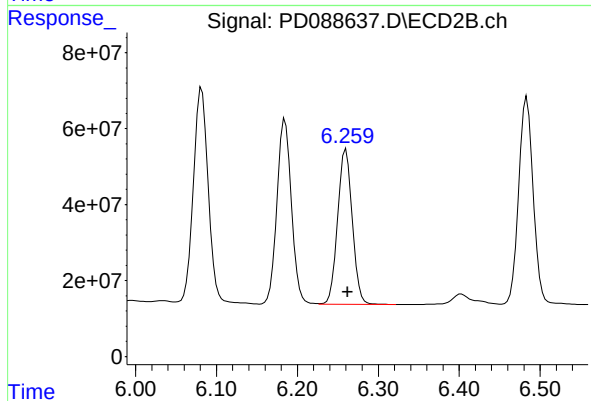
#17 4,4'-DDT

R.T.: 6.185 min
Delta R.T.: -0.002 min
Response: 608112661
Conc: 33.53 ng/ml



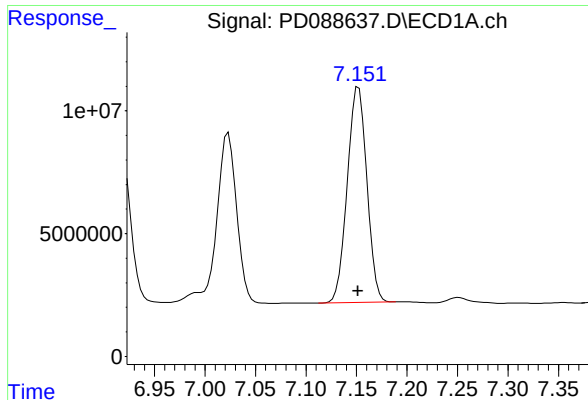
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.000 min
Response: 92880224
Conc: 36.08 ng/ml



#18 Endrin aldehyde

R.T.: 6.260 min
Delta R.T.: -0.002 min
Response: 513489712
Conc: 36.87 ng/ml



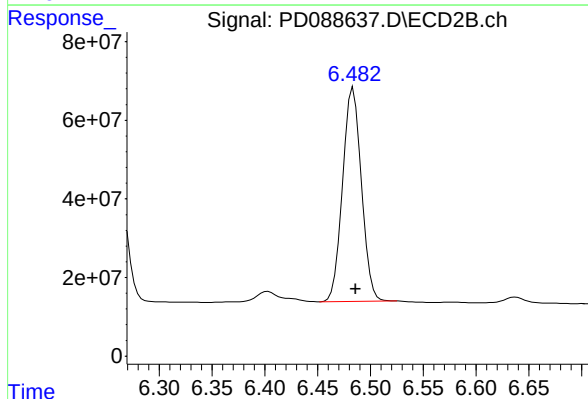
#19 Endosulfan Sulfate

R.T.: 7.152 min
Delta R.T.: 0.000 min
Response: 118963020
Conc: 37.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
L1-WC-1MSD

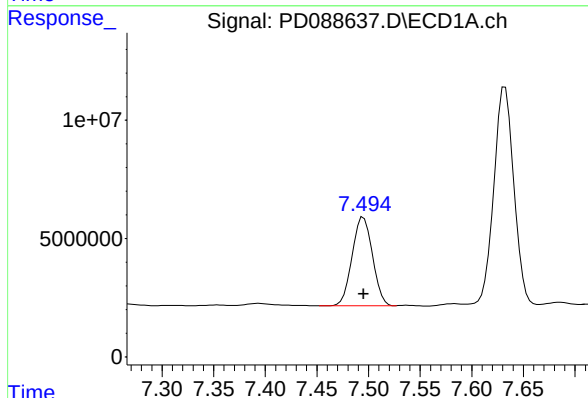
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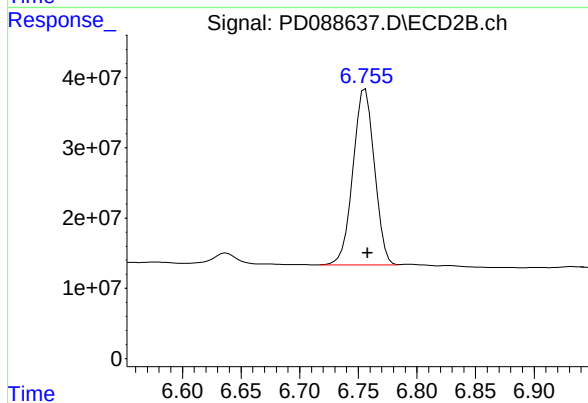
#19 Endosulfan Sulfate

R.T.: 6.484 min
Delta R.T.: -0.002 min
Response: 674489841
Conc: 37.99 ng/ml



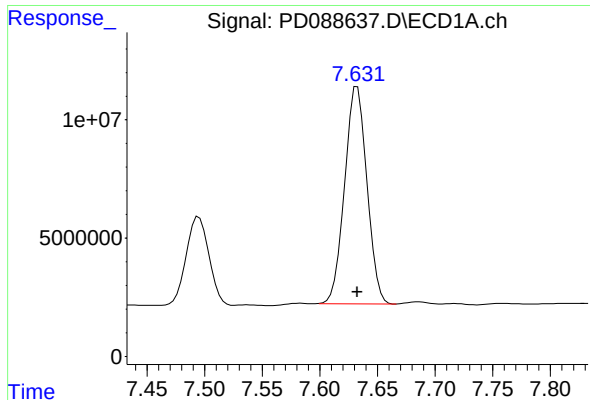
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 51350002
Conc: 30.74 ng/ml



#20 Methoxychlor

R.T.: 6.755 min
Delta R.T.: -0.003 min
Response: 319979473
Conc: 33.42 ng/ml m



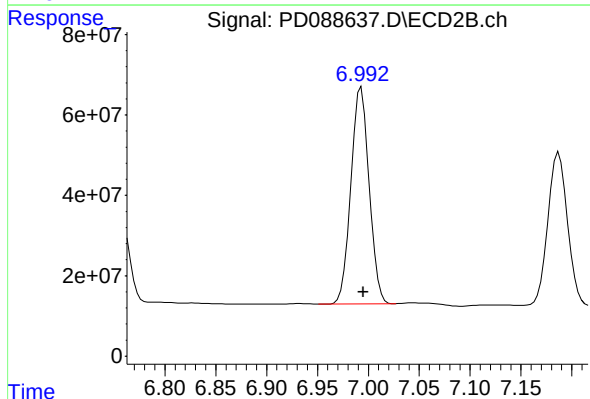
#21 Endrin ketone

R.T.: 7.632 min
Delta R.T.: 0.000 min
Response: 122930127
Conc: 35.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
L1-WC-1MSD

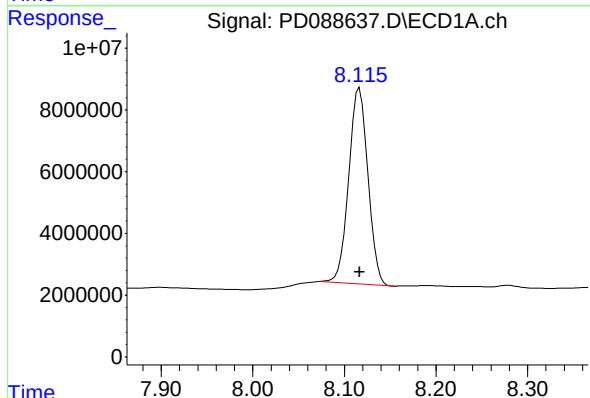
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/21/2025
Supervised By :mohammad ahmed 05/22/2025



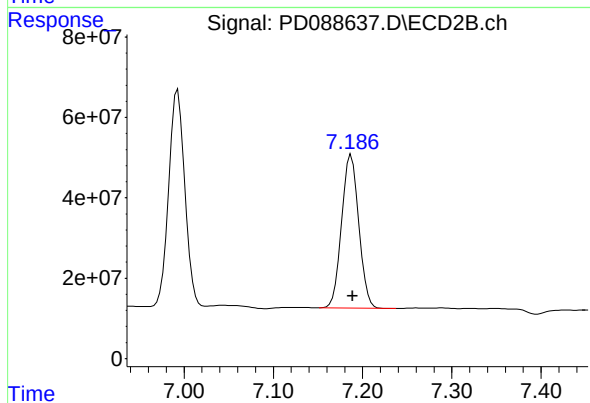
#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: -0.002 min
Response: 671632584
Conc: 34.71 ng/ml



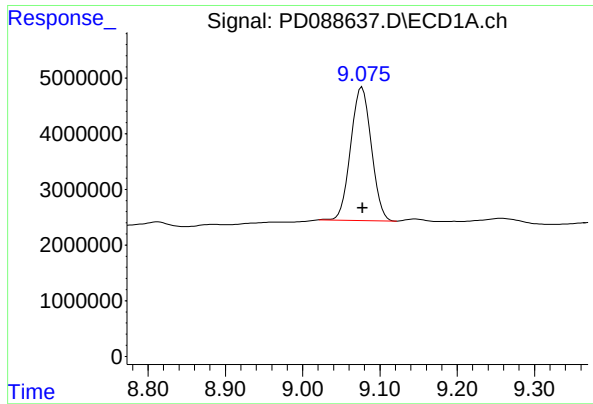
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 92795149
Conc: 35.71 ng/ml



#22 Mirex

R.T.: 7.187 min
Delta R.T.: -0.002 min
Response: 510610397
Conc: 33.59 ng/ml



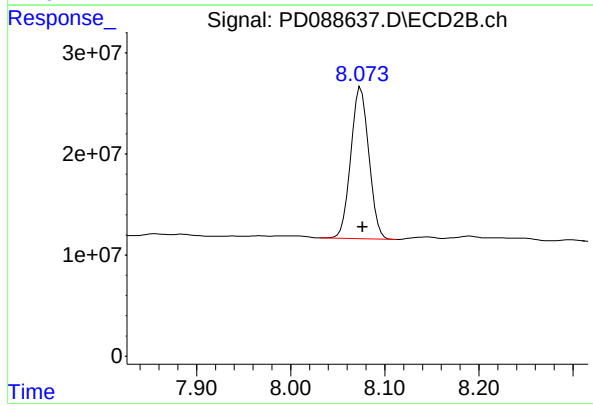
#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.000 min
Response: 44293096
Conc: 12.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
L1-WC-1MSD

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 05/22/2025



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 199963250
Conc: 10.95 ng/ml