

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042125\
 Data File : PD088166.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Apr 2025 15:28
 Operator : AR\AJ
 Sample : Q1832-07MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PL-714-COMP-02MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 04/22/2025
 Supervised By : mohammad ahmed 04/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 21 22:44:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 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	2.900	29763607	237.8E6	14.901	16.262
28) SA Decachlor...	9.080	8.092	61308697	207.9E6	18.533m	11.253 #
Target Compounds						
2) A alpha-BHC	4.001	3.413f	180.7E6	913.7E6	41.906	39.969
3) MA gamma-BHC...	4.332	3.749f	182.1E6	838.3E6	43.493	38.922
4) MA Heptachlor	4.931	4.103f	165.5E6	824.8E6	40.984	38.544
5) MB Aldrin	5.273	4.389f	156.4E6	806.3E6	39.602	38.758
6) B beta-BHC	4.515	4.043	47410389	378.2E6	29.205m	40.873m#
7) B delta-BHC	4.765	4.282f	187.1E6	839.4E6	45.346	39.481
8) B Heptachlo...	5.692	4.893f	143.0E6	726.8E6	40.007m	38.465
9) A Endosulfan I	6.076	5.268f	159.2E6	584.1E6	47.139	32.425m#
10) B gamma-Chl...	5.948	5.145f	150.4E6	775.7E6	41.522	38.221m
11) B alpha-Chl...	6.029	5.211f	158.6E6	849.4E6	43.936	43.330
12) B 4,4'-DDE	6.197	5.395	133.2E6	869.2E6	40.390m	44.134m
13) MA Dieldrin	6.348	5.532	137.9E6	766.2E6	38.657	38.439m
14) MA Endrin	6.576	5.810f	114.1E6	704.7E6	38.256	38.712
15) B Endosulfa...	6.787	6.101f	122.7E6	636.2E6	39.256	36.311
16) A 4,4'-DDD	6.705	5.951f	102.6E6	496.3E6	40.790	30.286 #
17) MA 4,4'-DDT	7.021	6.204f	133.5E6	731.3E6	48.062m	42.975
18) B Endrin al...	6.914	6.279f	91607429	478.1E6	39.691m	35.944
19) B Endosulfa...	7.149	6.502f	108.8E6	561.6E6	37.842m	32.778
20) A Methoxychlor	7.493	6.775f	59050589	284.4E6	39.379m	31.178
21) B Endrin ke...	7.631	7.009	113.1E6	558.9E6	36.658	29.880m
22) Mirex	8.113	7.205	90573242	459.5E6	38.569m	31.003m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042125\
Data File : PD088166.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Apr 2025 15:28
Operator : AR\AJ
Sample : Q1832-07MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

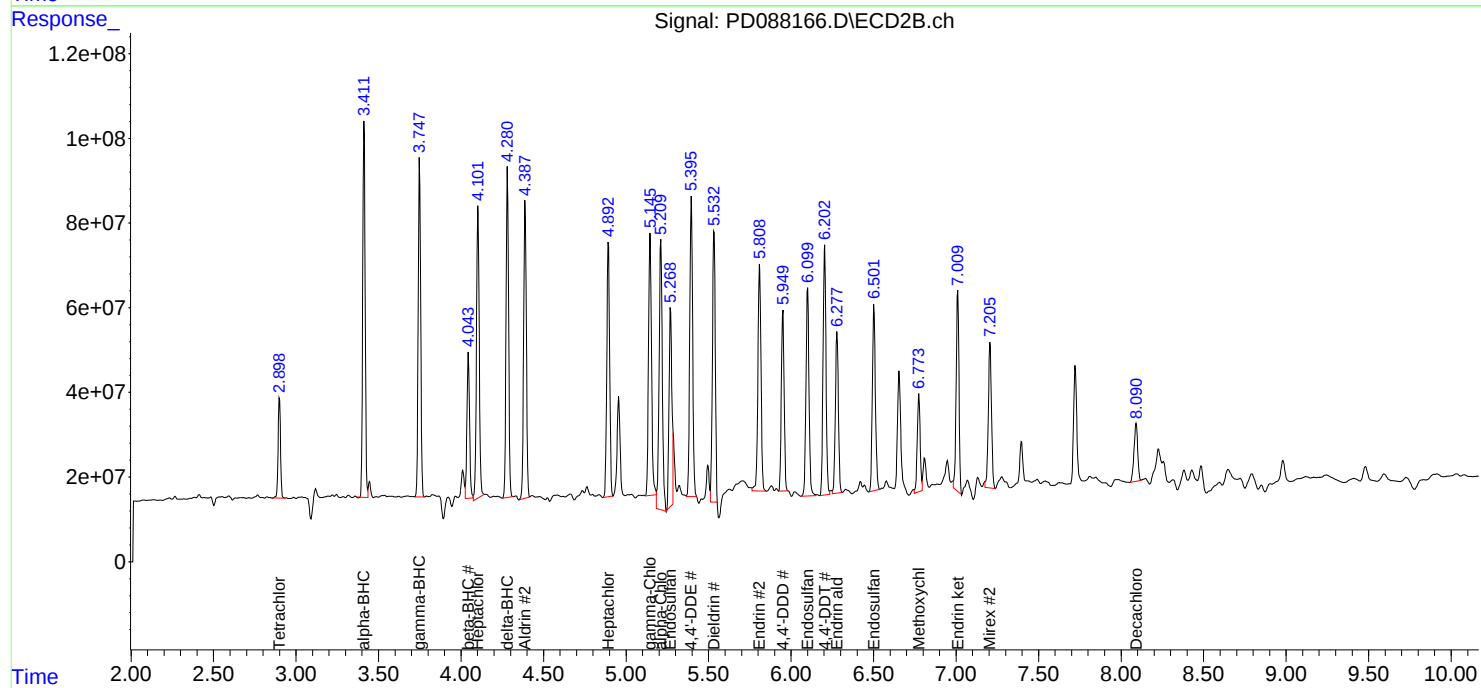
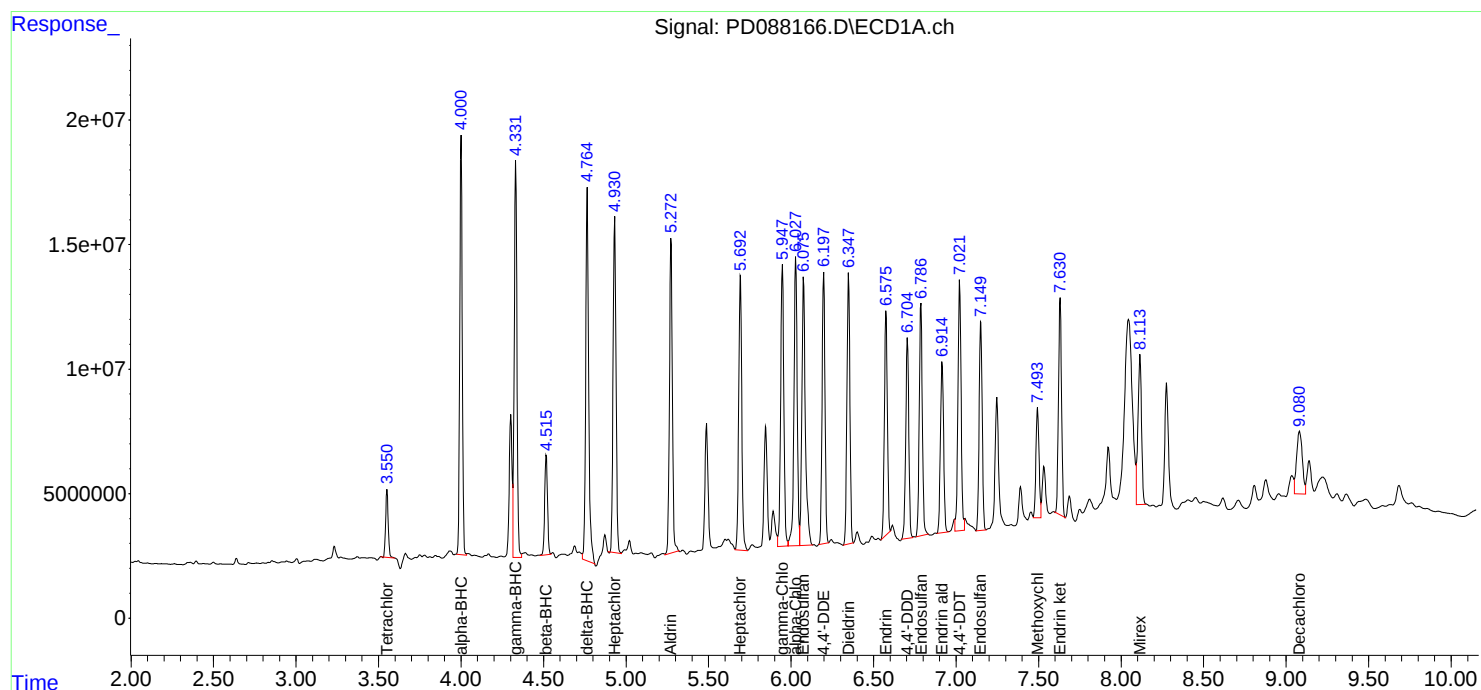
Instrument :
ECD_D
ClientSampleId :
PL-714-COMP-02MSD

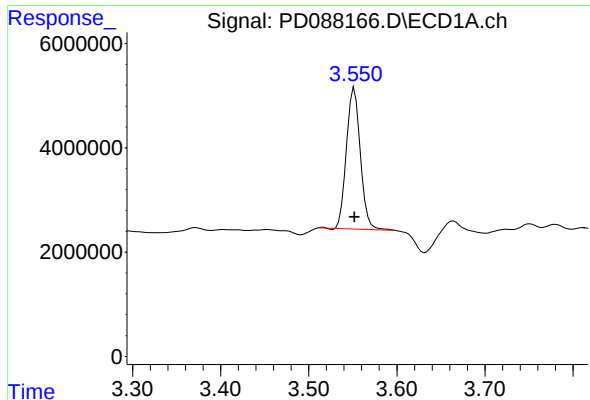
Manual Integrations
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Supervised By :mohammad ahmed 04/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 21 22:44:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 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





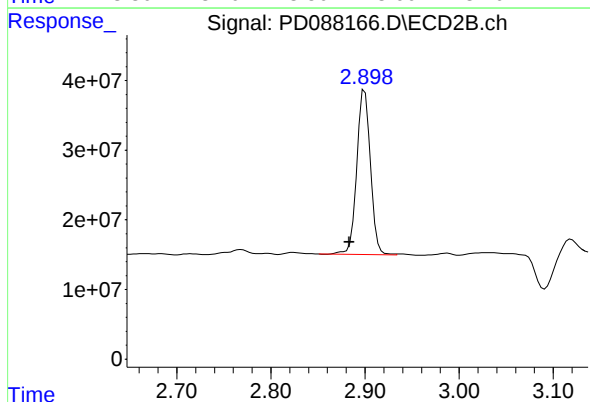
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 29763607
Conc: 14.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
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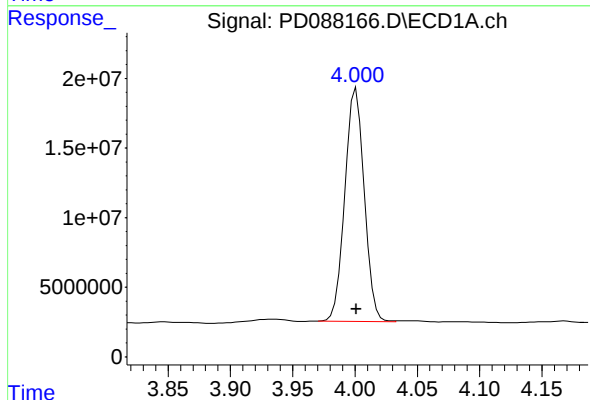
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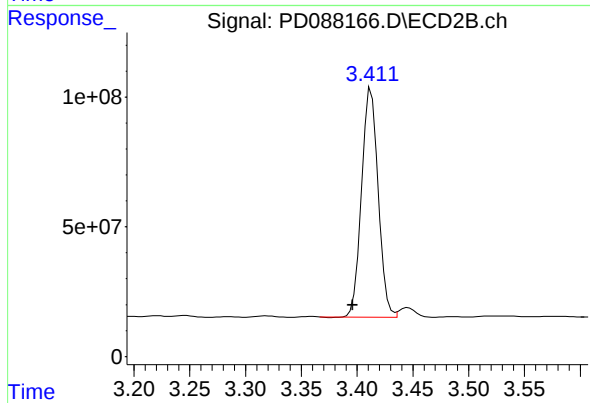
#1 Tetrachloro-m-xylene

R.T.: 2.900 min
Delta R.T.: 0.017 min
Response: 237775184
Conc: 16.26 ng/ml



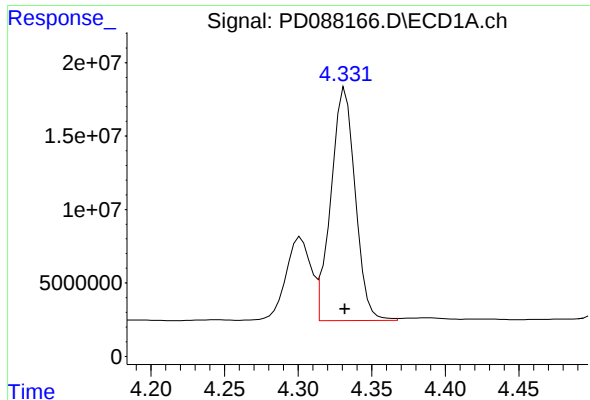
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 180697745
Conc: 41.91 ng/ml



#2 alpha-BHC

R.T.: 3.413 min
Delta R.T.: 0.016 min
Response: 913744503
Conc: 39.97 ng/ml



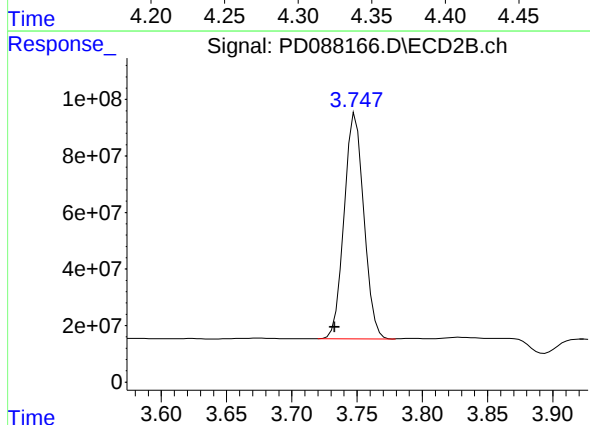
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 182129085
Conc: 43.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PL-714-COMP-02MSD

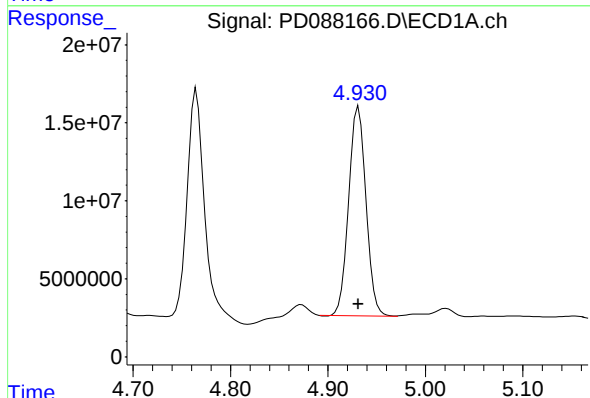
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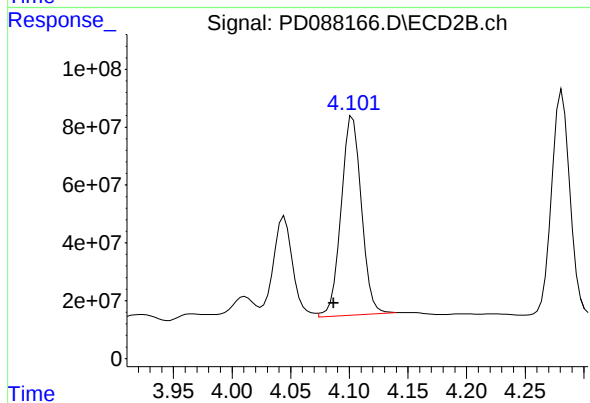
#3 gamma-BHC (Lindane)

R.T.: 3.749 min
Delta R.T.: 0.016 min
Response: 838322290
Conc: 38.92 ng/ml



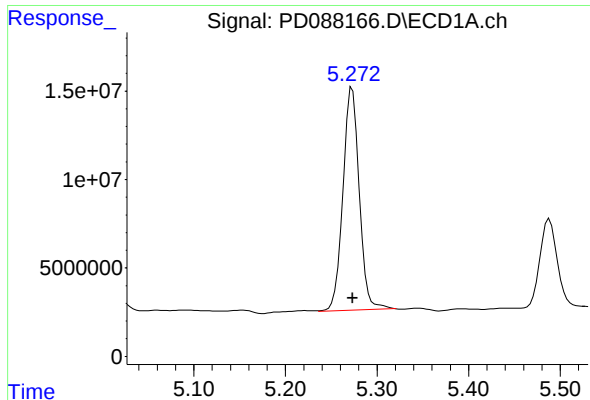
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 165533947
Conc: 40.98 ng/ml



#4 Heptachlor

R.T.: 4.103 min
Delta R.T.: 0.016 min
Response: 824771782
Conc: 38.54 ng/ml



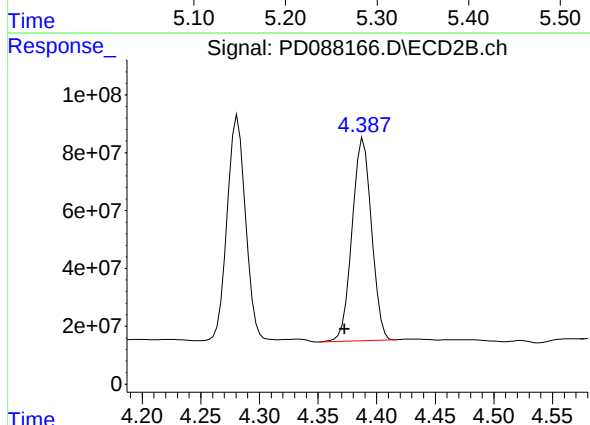
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 156413023
Conc: 39.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PL-714-COMP-02MSD

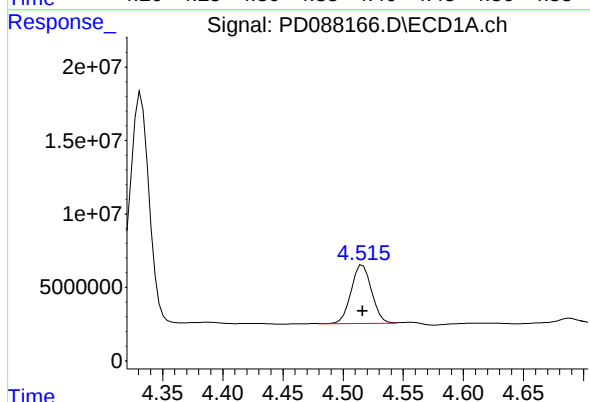
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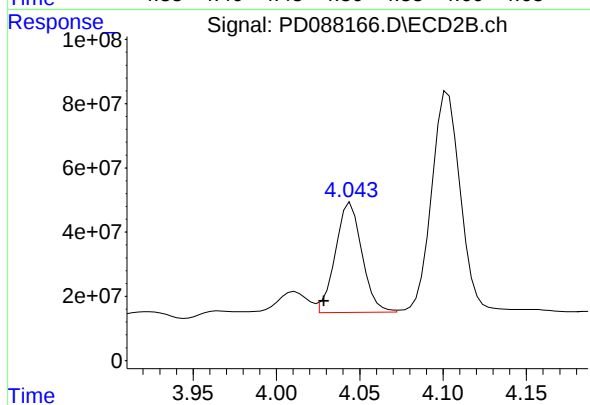
#5 Aldrin

R.T.: 4.389 min
Delta R.T.: 0.016 min
Response: 806270424
Conc: 38.76 ng/ml



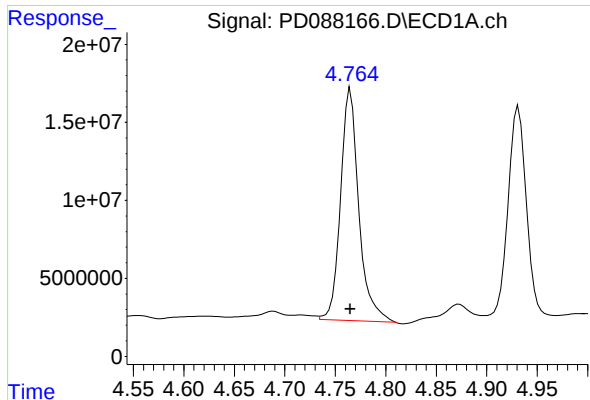
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: -0.001 min
Response: 47410389
Conc: 29.20 ng/ml m



#6 beta-BHC

R.T.: 4.043 min
Delta R.T.: 0.015 min
Response: 378240086
Conc: 40.87 ng/ml m



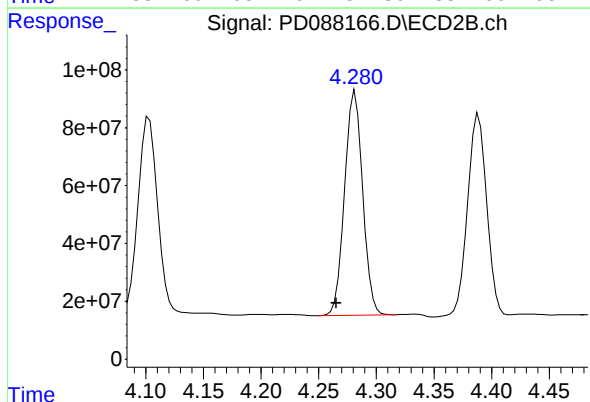
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 187050495
Conc: 45.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PL-714-COMP-02MSD

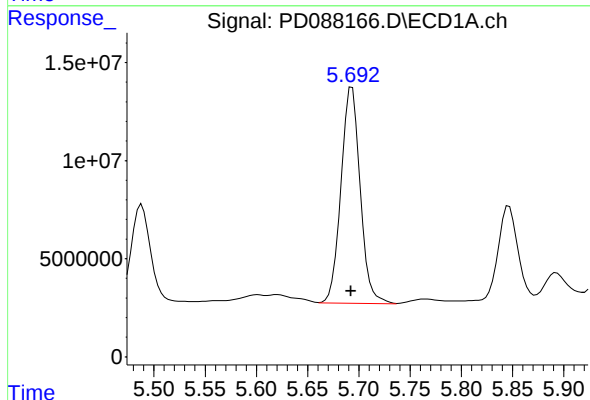
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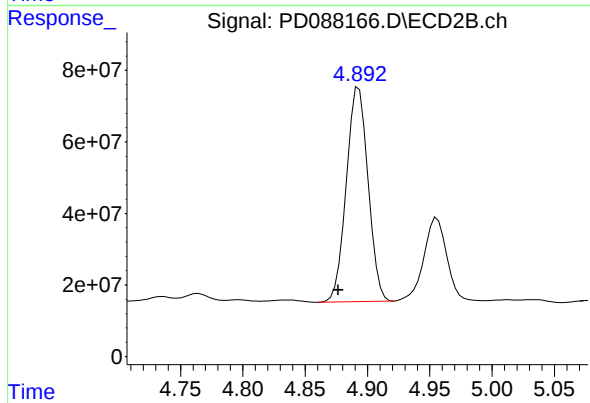
#7 delta-BHC

R.T.: 4.282 min
Delta R.T.: 0.016 min
Response: 839432616
Conc: 39.48 ng/ml



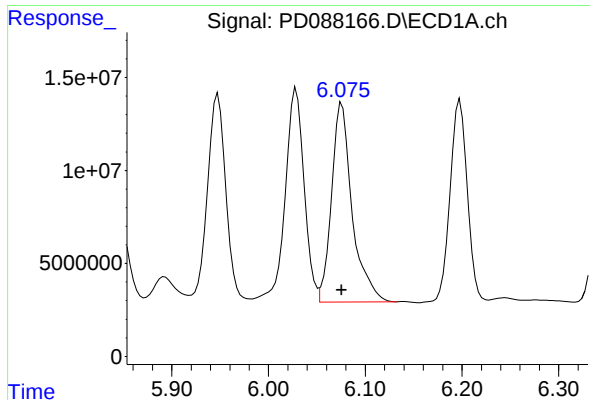
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 142984078
Conc: 40.01 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.893 min
Delta R.T.: 0.016 min
Response: 726770757
Conc: 38.47 ng/ml



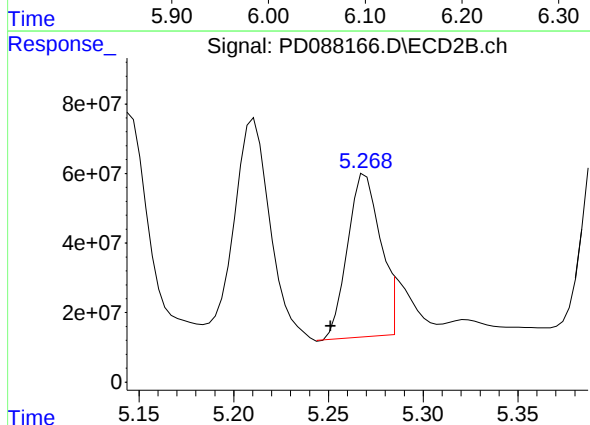
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 159196888
Conc: 47.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PL-714-COMP-02MSD

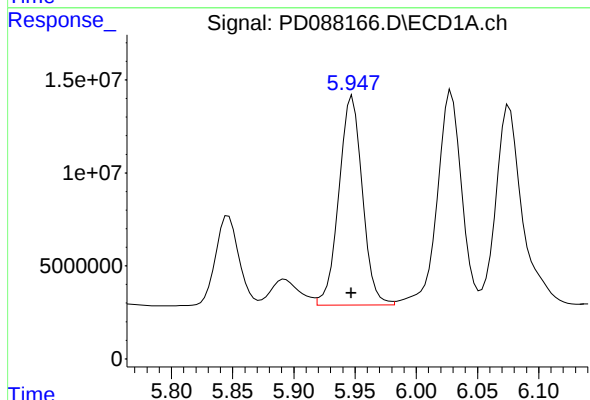
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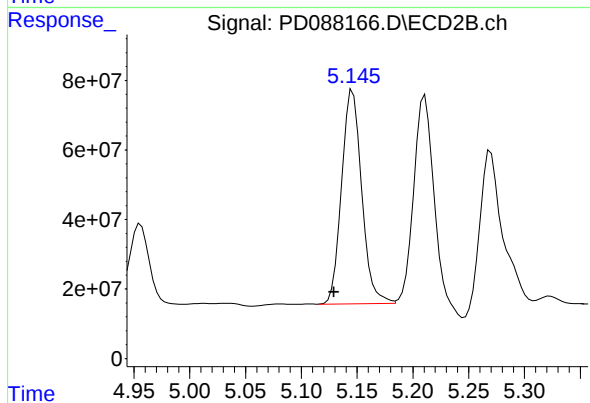
#9 Endosulfan I

R.T.: 5.268 min
Delta R.T.: 0.017 min
Response: 584061978
Conc: 32.43 ng/ml m



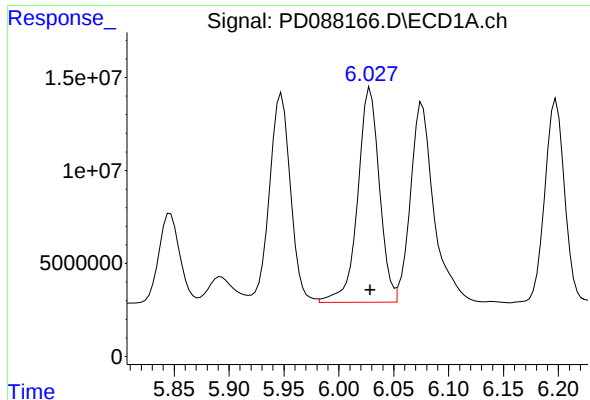
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 150393957
Conc: 41.52 ng/ml



#10 gamma-Chlordane

R.T.: 5.145 min
Delta R.T.: 0.015 min
Response: 775727335
Conc: 38.22 ng/ml m



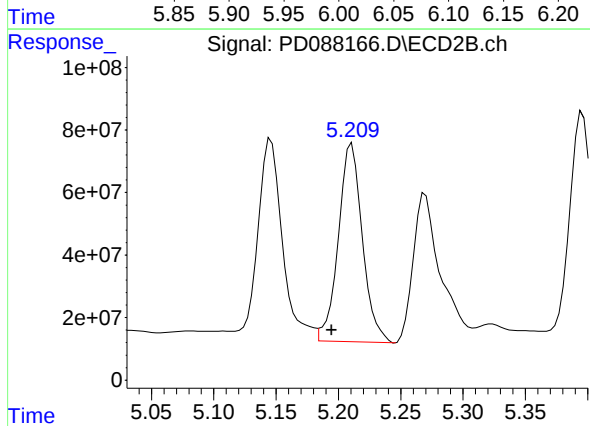
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 158589049
Conc: 43.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PL-714-COMP-02MSD

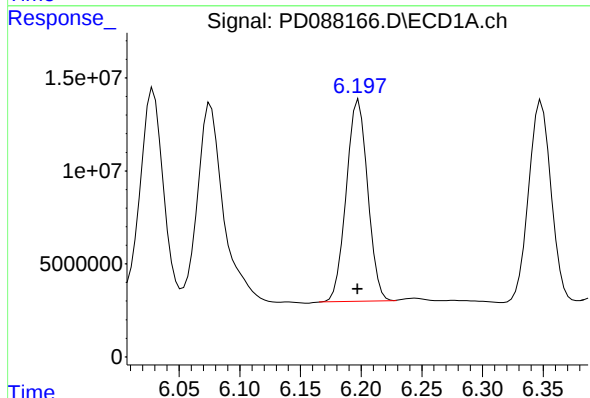
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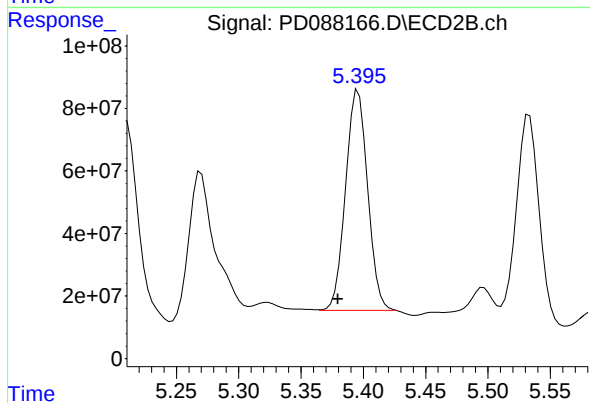
#11 alpha-Chlordane

R.T.: 5.211 min
Delta R.T.: 0.016 min
Response: 849389864
Conc: 43.33 ng/ml



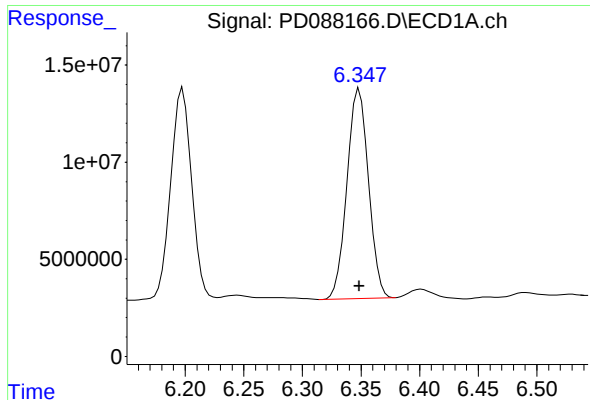
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 133217060
Conc: 40.39 ng/ml m



#12 4,4'-DDE

R.T.: 5.395 min
Delta R.T.: 0.015 min
Response: 869182171
Conc: 44.13 ng/ml m



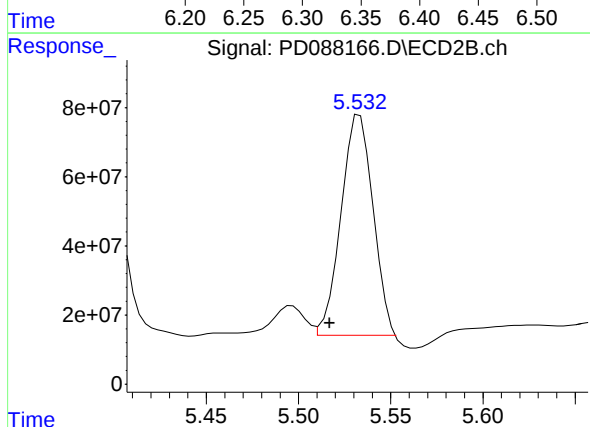
#13 Dieldrin

R.T.: 6.348 min
Delta R.T.: 0.000 min
Response: 137947743
Conc: 38.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PL-714-COMP-02MSD

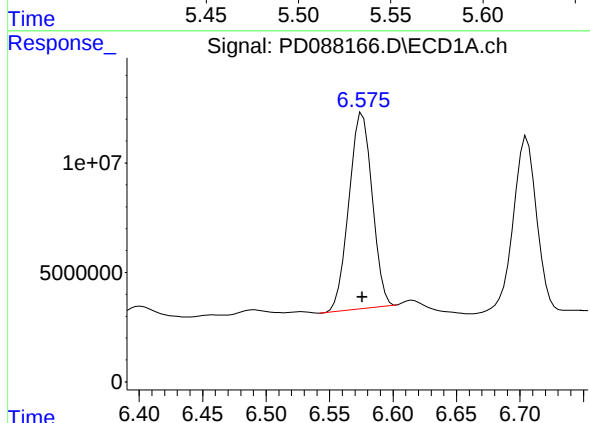
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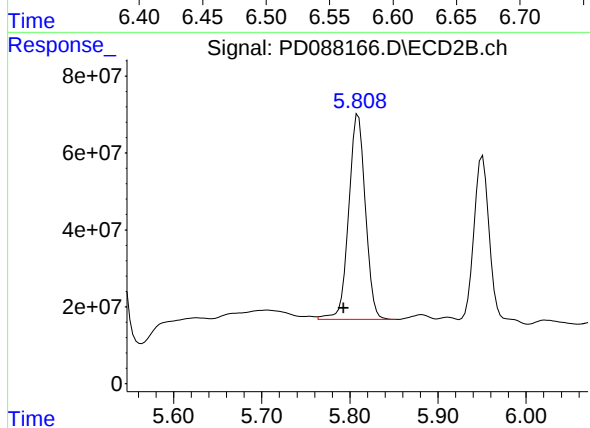
#13 Dieldrin

R.T.: 5.532 min
Delta R.T.: 0.015 min
Response: 766192958
Conc: 38.44 ng/ml



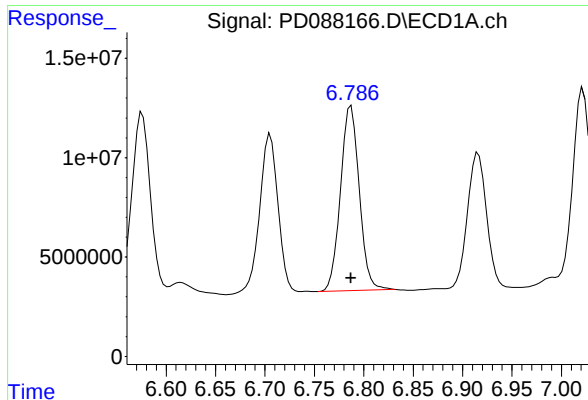
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 114100254
Conc: 38.26 ng/ml



#14 Endrin

R.T.: 5.810 min
Delta R.T.: 0.017 min
Response: 704650248
Conc: 38.71 ng/ml



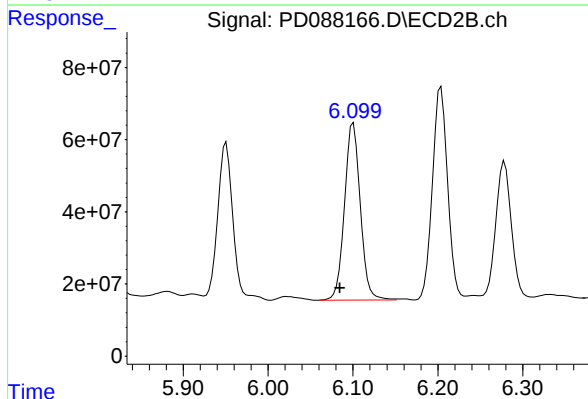
#15 Endosulfan II

R.T.: 6.787 min
Delta R.T.: 0.000 min
Response: 122723975
Conc: 39.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PL-714-COMP-02MSD

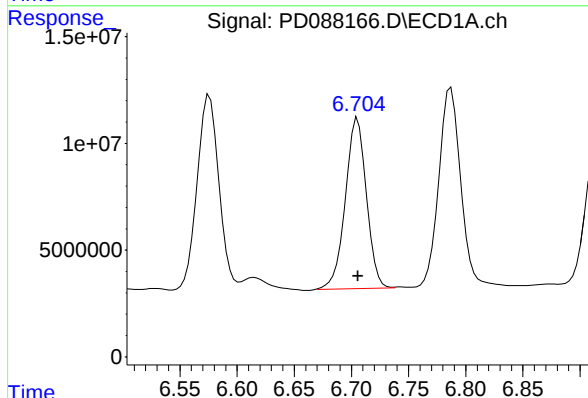
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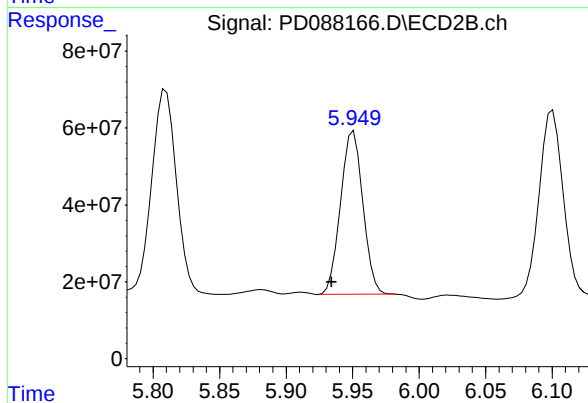
#15 Endosulfan II

R.T.: 6.101 min
Delta R.T.: 0.016 min
Response: 636224943
Conc: 36.31 ng/ml



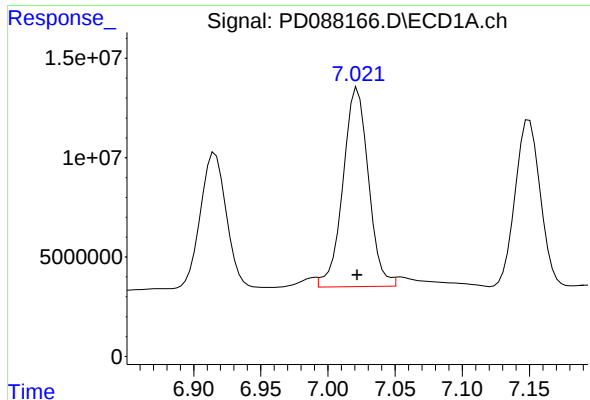
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 102584131
Conc: 40.79 ng/ml



#16 4,4'-DDD

R.T.: 5.951 min
Delta R.T.: 0.017 min
Response: 496269834
Conc: 30.29 ng/ml



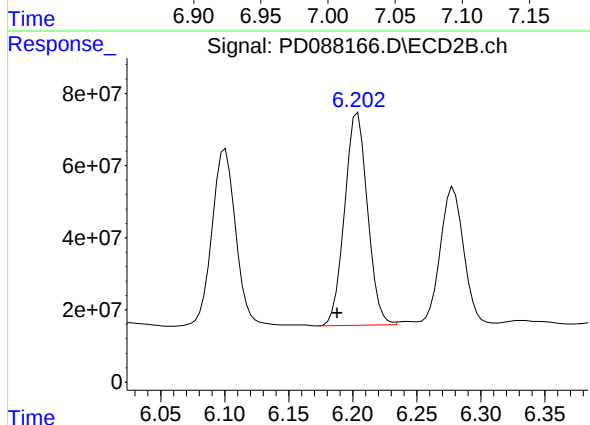
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.001 min
Response: 133493870
Conc: 48.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PL-714-COMP-02MSD

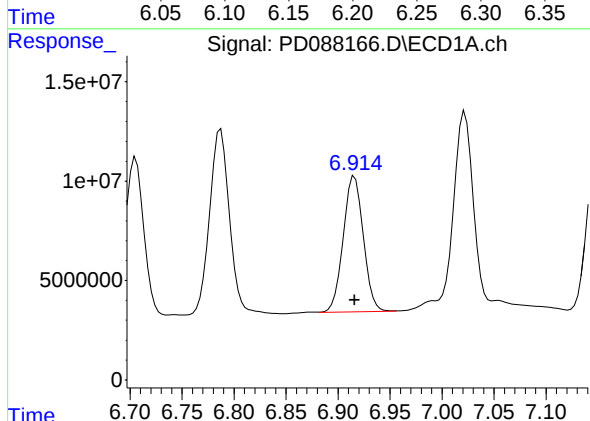
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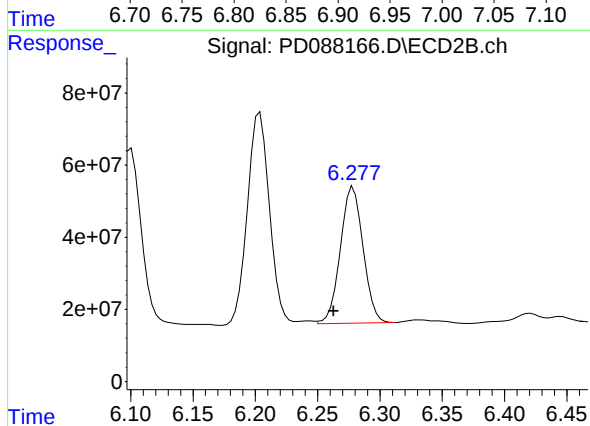
#17 4,4'-DDT

R.T.: 6.204 min
Delta R.T.: 0.016 min
Response: 731279160
Conc: 42.97 ng/ml



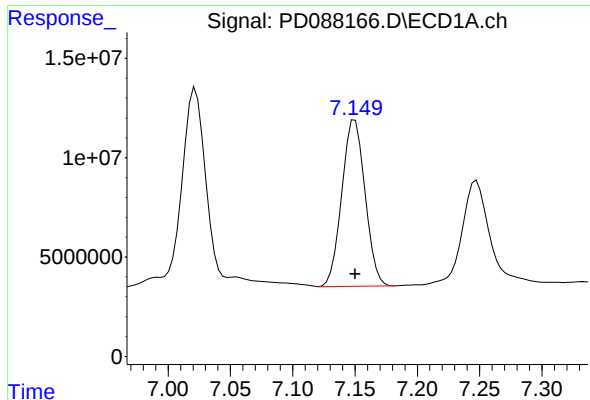
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: -0.002 min
Response: 91607429
Conc: 39.69 ng/ml m



#18 Endrin aldehyde

R.T.: 6.279 min
Delta R.T.: 0.016 min
Response: 478090244
Conc: 35.94 ng/ml



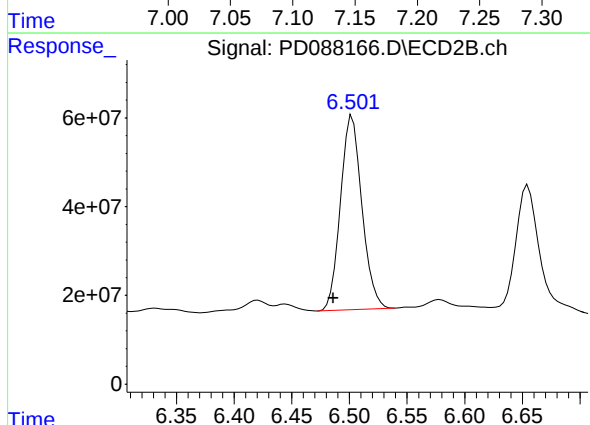
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: -0.002 min
Response: 108826764
Conc: 37.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PL-714-COMP-02MSD

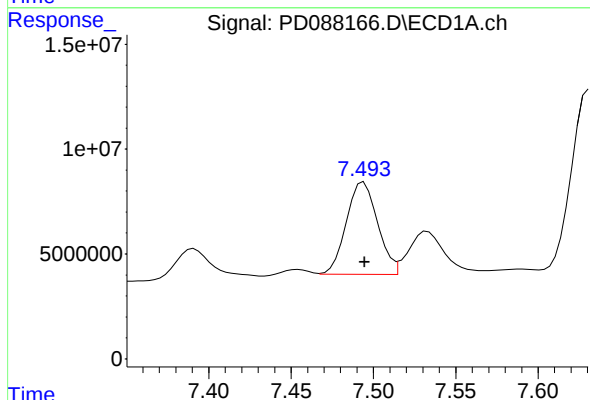
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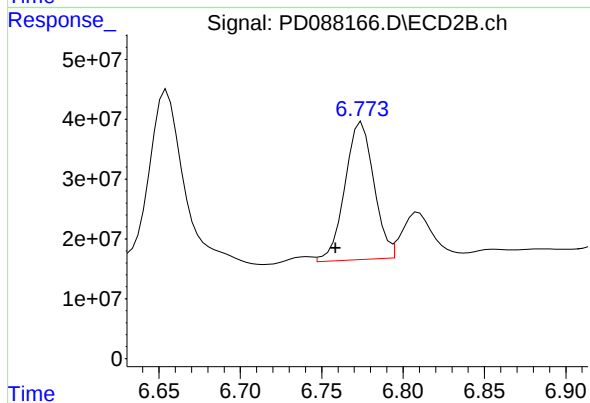
#19 Endosulfan Sulfate

R.T.: 6.502 min
Delta R.T.: 0.016 min
Response: 561587158
Conc: 32.78 ng/ml



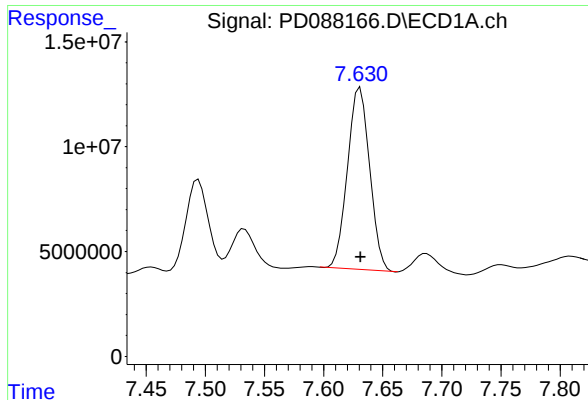
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: -0.002 min
Response: 59050589
Conc: 39.38 ng/ml m



#20 Methoxychlor

R.T.: 6.775 min
Delta R.T.: 0.016 min
Response: 284377774
Conc: 31.18 ng/ml



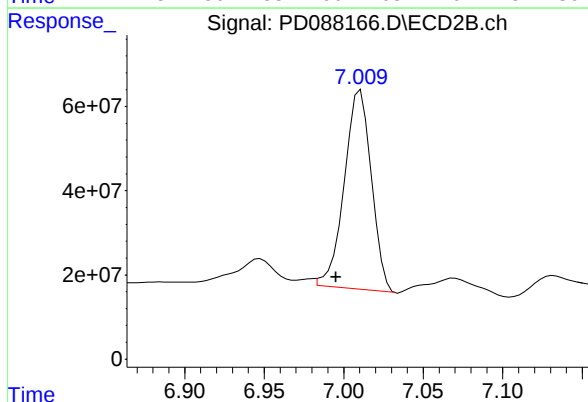
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 113149283
Conc: 36.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PL-714-COMP-02MSD

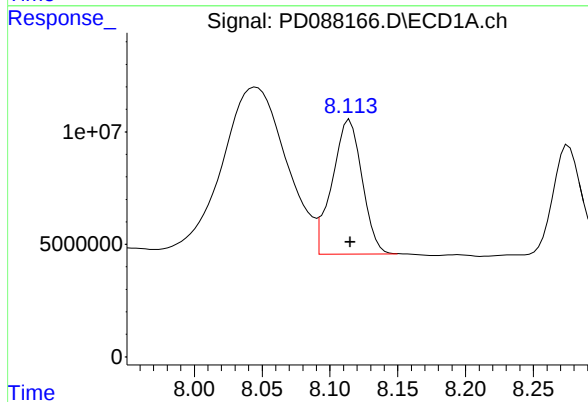
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/22/2025
Supervised By :mohammad ahmed 04/23/2025



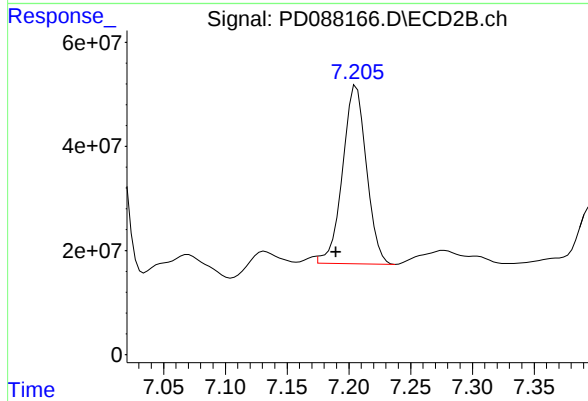
#21 Endrin ketone

R.T.: 7.009 min
Delta R.T.: 0.014 min
Response: 558868775
Conc: 29.88 ng/ml



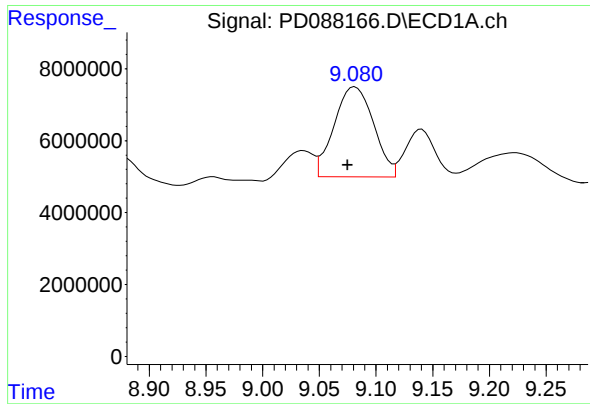
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.002 min
Response: 90573242
Conc: 38.57 ng/ml



#22 Mirex

R.T.: 7.205 min
Delta R.T.: 0.015 min
Response: 459499114
Conc: 31.00 ng/ml



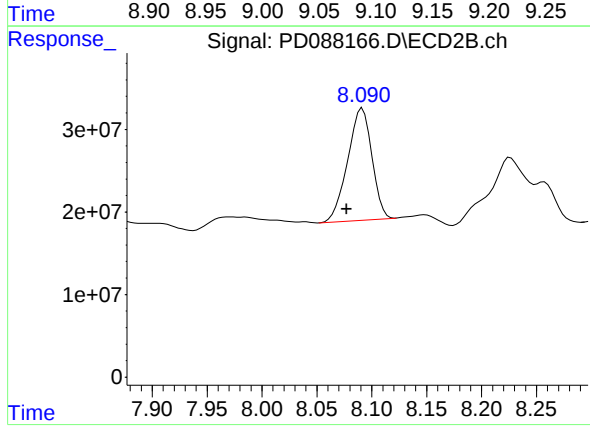
#28 Decachlorobiphenyl

R.T.: 9.080 min
Delta R.T.: 0.005 min
Response: 61308697
Conc: 18.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PL-714-COMP-02MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/22/2025
Supervised By :mohammad ahmed 04/23/2025



#28 Decachlorobiphenyl

R.T.: 8.092 min
Delta R.T.: 0.015 min
Response: 207942976
Conc: 11.25 ng/ml