

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO102919\  
 Data File : PO063264.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 30 Oct 2019 1:27  
 Operator : HP/AJ  
 Sample : K5428-03  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 445X-8B

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 30 09:13:50 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO102919.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Oct 30 02:25:39 2019  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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... | 4.317 | 3.480 | 1314567 | 1308418 | 22.556  | 23.958    |
| 2)                          | SA Decachlor... | 9.933 | 8.321 | 870702  | 650251  | 14.964  | 15.210    |
| Target Compounds            |                 |       |       |         |         |         |           |
| 5)                          | L1 AR-1016-3    | 0.000 | 4.715 | 0       | 41520   | N.D.    | 29.916 #  |
| 6)                          | L1 AR-1016-4    | 0.000 | 4.751 | 0       | 56658   | N.D.    | 50.729 #  |
| 7)                          | L1 AR-1016-5    | 0.000 | 4.963 | 0       | 52424   | N.D.    | 34.798 #  |
| 10)                         | L2 AR-1221-3    | 0.000 | 3.891 | 0       | 84027   | N.D.    | 68.336 #  |
| 11)                         | L3 AR-1232-1    | 0.000 | 3.891 | 0       | 84027   | N.D.    | 49.231 #  |
| 13)                         | L3 AR-1232-3    | 0.000 | 4.715 | 0       | 41520   | N.D.    | 42.918 #  |
| 14)                         | L3 AR-1232-4    | 0.000 | 4.792 | 0       | 21507   | N.D.    | 25.903 #  |
| 15)                         | L3 AR-1232-5    | 0.000 | 4.963 | 0       | 52424   | N.D.    | 56.012 #  |
| 18)                         | L4 AR-1242-3    | 0.000 | 4.715 | 0       | 41520   | N.D.    | 39.619 #  |
| 19)                         | L4 AR-1242-4    | 0.000 | 4.792 | 0       | 21507   | N.D.    | 21.666 #  |
| 20)                         | L4 AR-1242-5    | 6.321 | 5.296 | 188572  | 236047  | 131.017 | 168.964 # |
| 21)                         | L5 AR-1248-1    | 5.407 | 0.000 | 120560  | 0       | 97.783  | N.D. #    |
| 22)                         | L5 AR-1248-2    | 0.000 | 4.751 | 0       | 56658   | N.D.    | 40.516 #  |
| 23)                         | L5 AR-1248-3    | 0.000 | 4.792 | 0       | 21507   | N.D.    | 14.871 #  |
| 24)                         | L5 AR-1248-4    | 6.321 | 4.963 | 188572  | 52424   | 75.763  | 29.113 #  |
| 25)                         | L5 AR-1248-5    | 6.321 | 5.367 | 188572  | 48926   | 80.775  | 26.467 #  |
| 26)                         | L6 AR-1254-1    | 6.321 | 5.296 | 188572  | 236047  | 74.171  | 78.361    |
| 27)                         | L6 AR-1254-2    | 6.539 | 5.440 | 579510  | 326091  | 143.265 | 120.909   |
| 28)                         | L6 AR-1254-3    | 6.905 | 5.831 | 811172  | 823302  | 190.577 | 191.768   |
| 29)                         | L6 AR-1254-4    | 7.189 | 6.055 | 483129  | 457330  | 142.735 | 160.486   |
| 30)                         | L6 AR-1254-5    | 7.605 | 6.464 | 1717904 | 1395290 | 517.908 | 374.309 # |
| 31)                         | L7 AR-1260-1    | 7.065 | 5.958 | 391742  | 478052  | 126.322 | 173.091 # |
| 32)                         | L7 AR-1260-2    | 7.318 | 6.144 | 1531567 | 678151  | 379.387 | 176.746 # |
| 33)                         | L7 AR-1260-3    | 7.675 | 6.291 | 300050  | 386216  | 93.431  | 123.092 # |
| 34)                         | L7 AR-1260-4    | 7.895 | 6.753 | 509556  | 151750  | 159.617 | 59.935 #  |
| 35)                         | L7 AR-1260-5    | 8.214 | 6.994 | 259840  | 273067  | 44.305  | 44.799    |
| 36)                         | L8 AR-1262-1    | 7.675 | 6.554 | 300050  | 171007  | 62.858  | 93.982 #  |
| 37)                         | L8 AR-1262-2    | 8.214 | 6.994 | 259840  | 273067  | 37.270  | 38.314    |
| 38)                         | L8 AR-1262-3    | 8.528 | 7.272 | 235050  | 73709   | 50.856  | 27.502 #  |
| 39)                         | L8 AR-1262-4    | 0.000 | 7.333 | 0       | 258616  | N.D.    | 56.394 #  |
| 40)                         | L8 AR-1262-5    | 0.000 | 7.824 | 0       | 66495   | N.D.    | 33.886 #  |
| 41)                         | L9 AR-1268-1    | 8.528 | 7.272 | 235050  | 73709   | 28.066  | 9.250 #   |
| 42)                         | L9 AR-1268-2    | 0.000 | 7.333 | 0       | 258616  | N.D.    | 39.276 #  |
| 43)                         | L9 AR-1268-3    | 0.000 | 7.537 | 0       | 25401   | N.D.    | 4.546 #   |
| 44)                         | L9 AR-1268-4    | 0.000 | 7.824 | 0       | 66495   | N.D.    | 30.808 #  |
| 45)                         | L9 AR-1268-5    | 0.000 | 8.092 | 0       | 84151   | N.D.    | 5.620 #   |
| -----                       |                 |       |       |         |         |         |           |

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

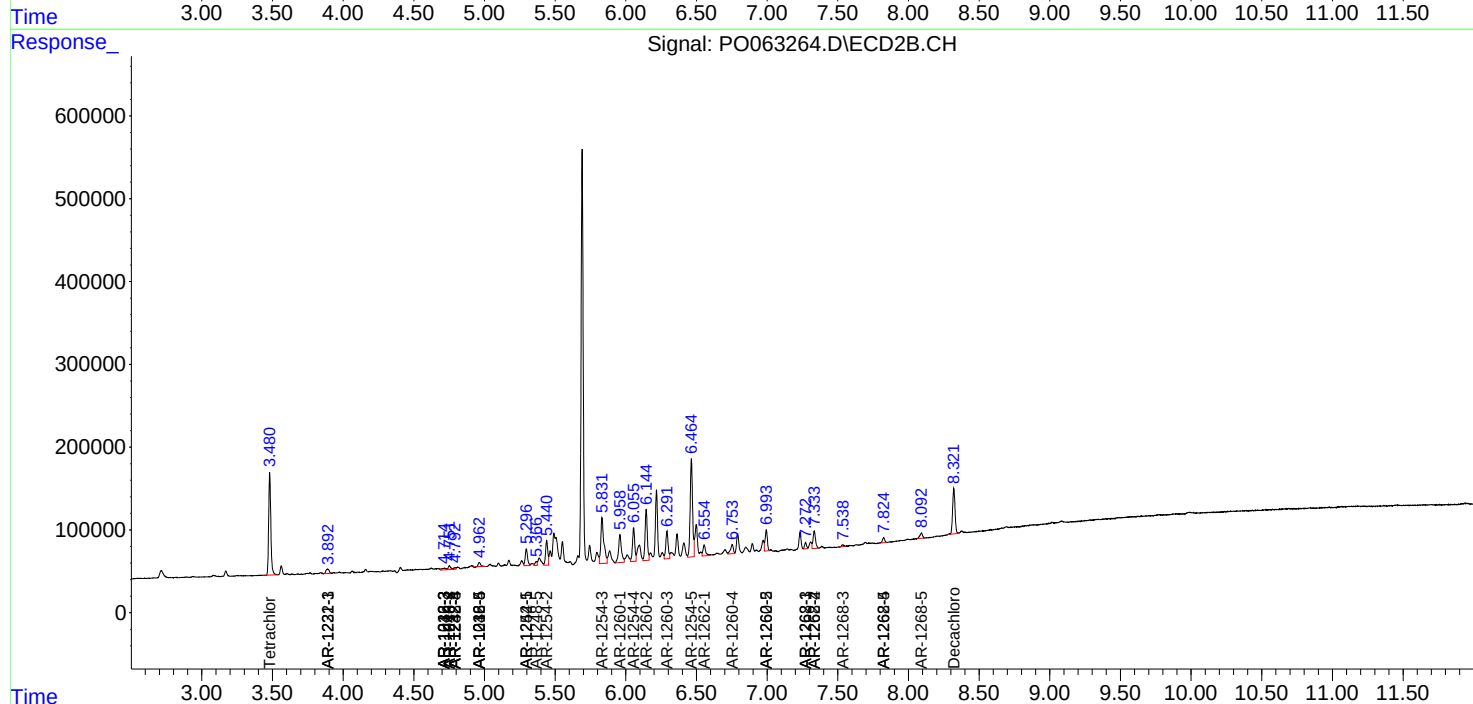
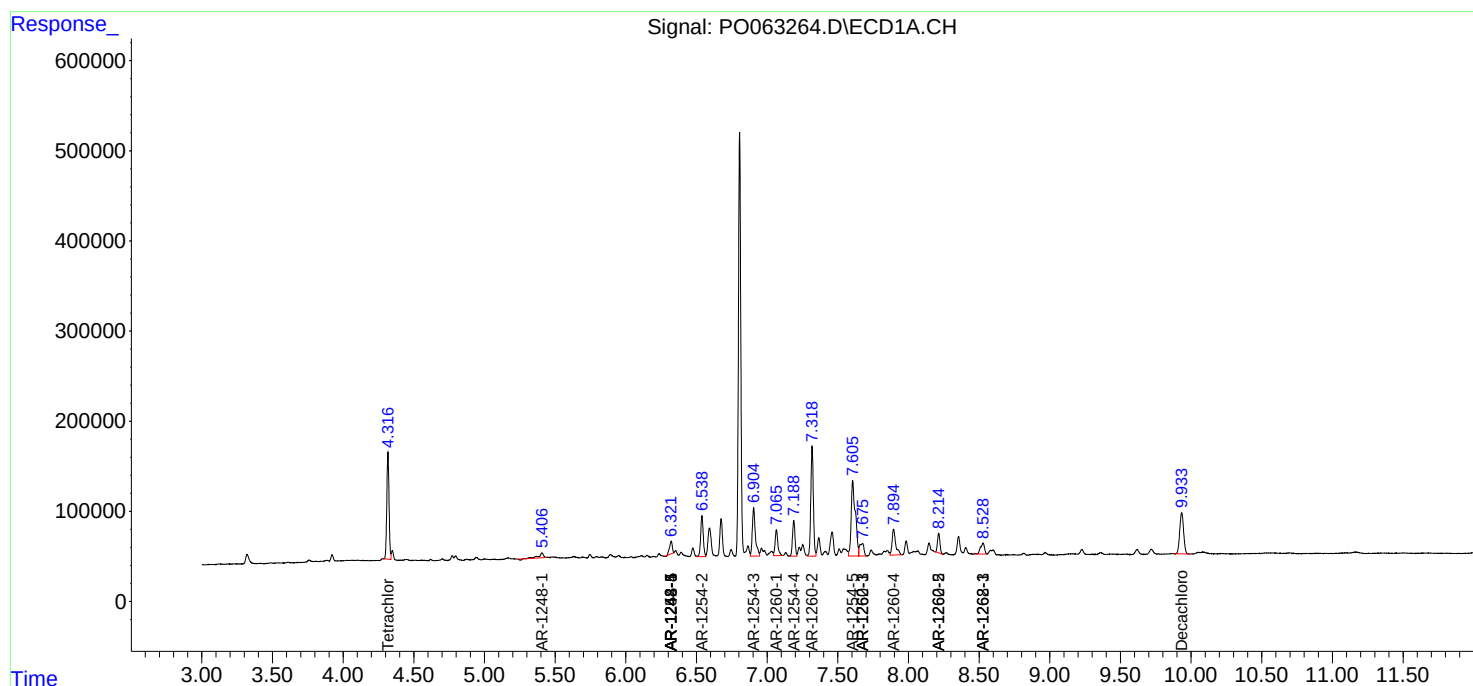
Instrument :  
ECD\_O  
ClientSampleId :  
445X-8B

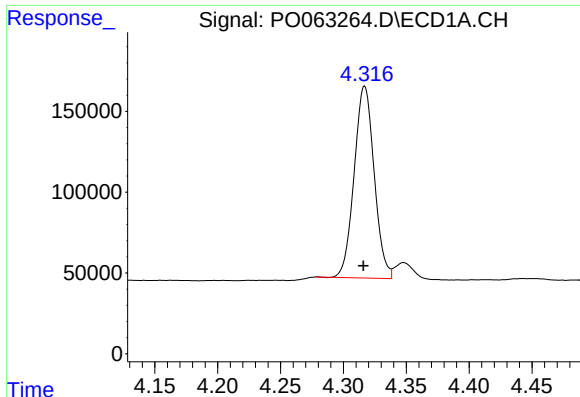
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO102919\  
Data File : P0063264.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 30 Oct 2019 1:27  
Operator : HP/AJ  
Sample : K5428-03  
Misc :  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampled :  
445X-8B

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 30 09:13:50 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO102919.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Oct 30 02:25:39 2019  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 2 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

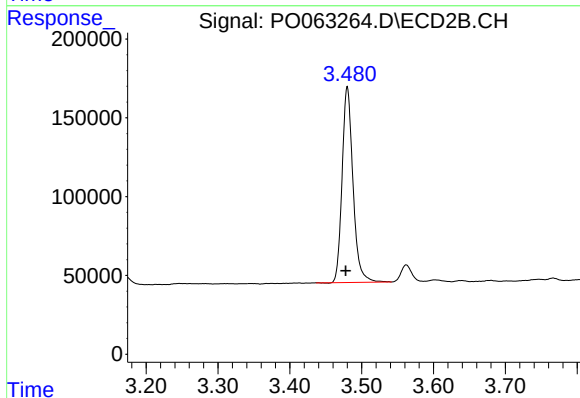




#1 Tetrachloro-m-xylene

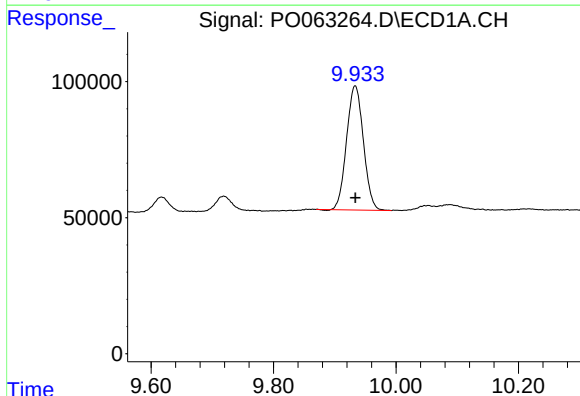
R.T.: 4.317 min  
Delta R.T.: 0.000 min  
Response: 1314567  
Conc: 22.56 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
445X-8B



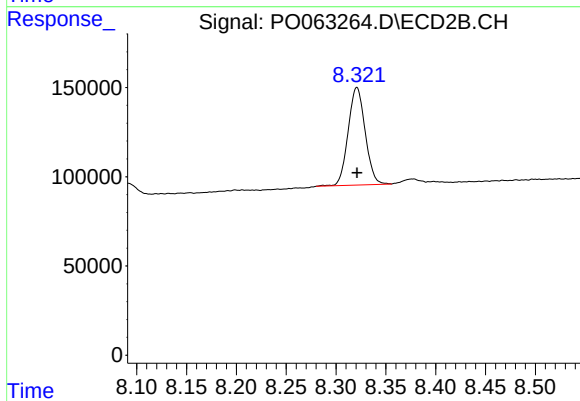
#1 Tetrachloro-m-xylene

R.T.: 3.480 min  
Delta R.T.: 0.002 min  
Response: 1308418  
Conc: 23.96 ng/ml



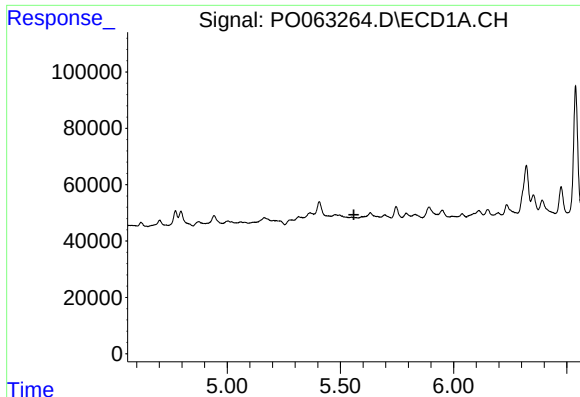
#2 Decachlorobiphenyl

R.T.: 9.933 min  
Delta R.T.: 0.000 min  
Response: 870702  
Conc: 14.96 ng/ml



#2 Decachlorobiphenyl

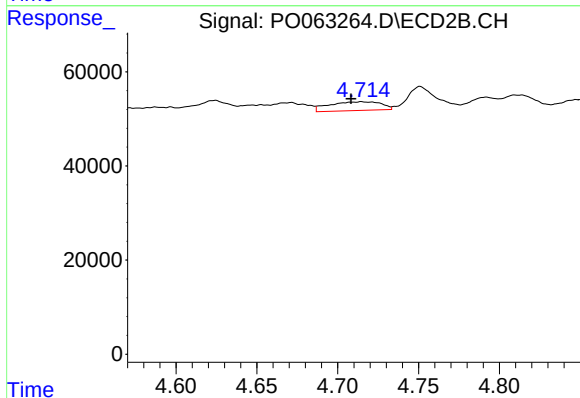
R.T.: 8.321 min  
Delta R.T.: 0.000 min  
Response: 650251  
Conc: 15.21 ng/ml



#5 AR-1016-3

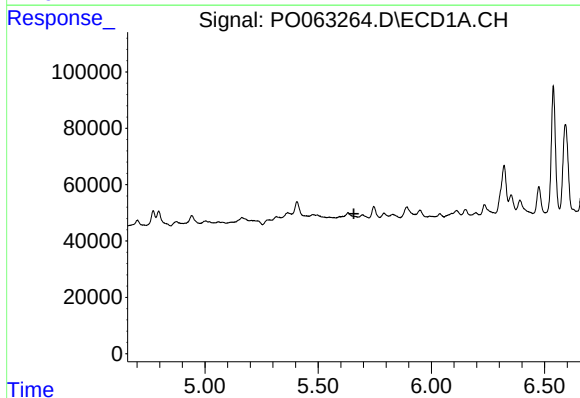
R.T.: 0.000 min  
Exp R.T.: 5.560 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
445X-8B



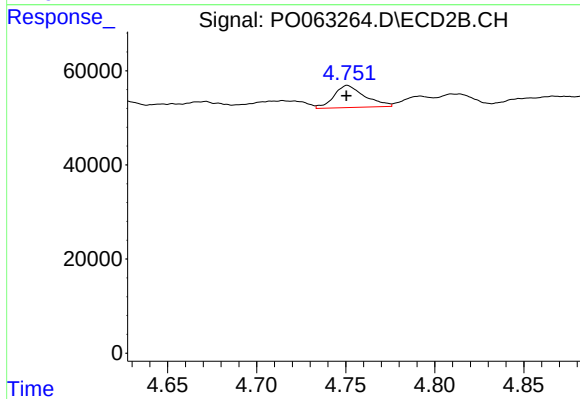
#5 AR-1016-3

R.T.: 4.715 min  
Delta R.T.: 0.007 min  
Response: 41520  
Conc: 29.92 ng/ml



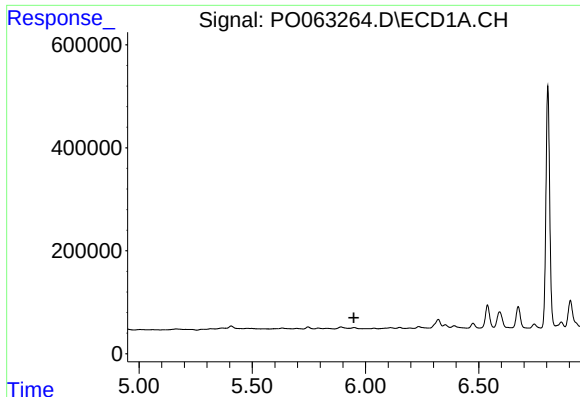
#6 AR-1016-4

R.T.: 0.000 min  
Exp R.T.: 5.658 min  
Response: 0  
Conc: N.D.



#6 AR-1016-4

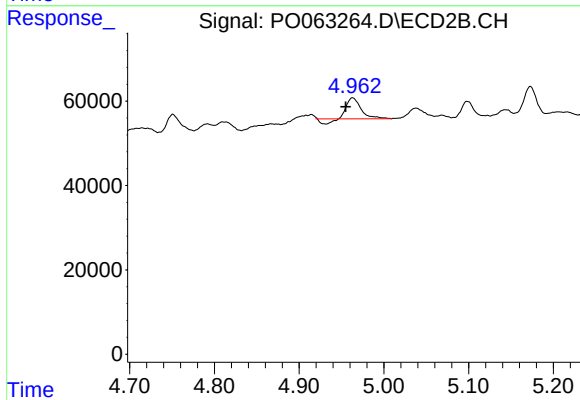
R.T.: 4.751 min  
Delta R.T.: 0.000 min  
Response: 56658  
Conc: 50.73 ng/ml



#7 AR-1016-5

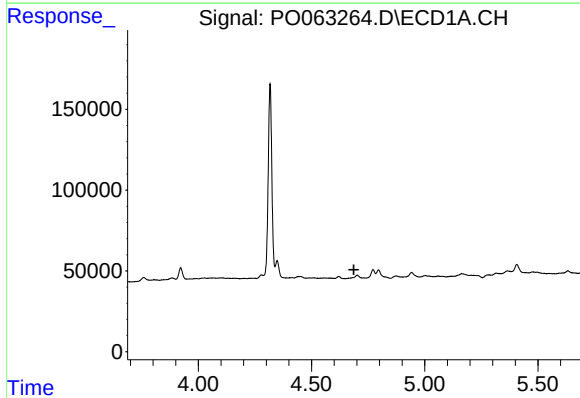
R.T.: 0.000 min  
Exp R.T. : 5.949 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
445X-8B



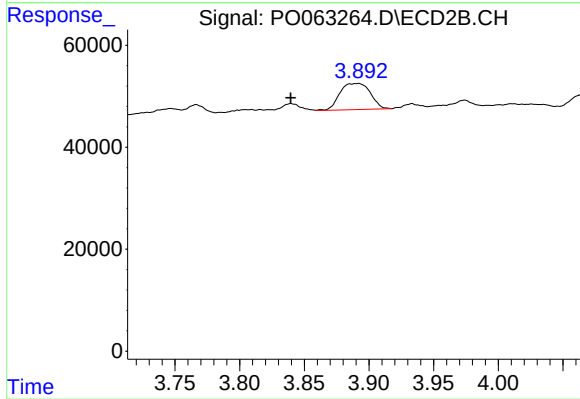
#7 AR-1016-5

R.T.: 4.963 min  
Delta R.T.: 0.008 min  
Response: 52424  
Conc: 34.80 ng/ml



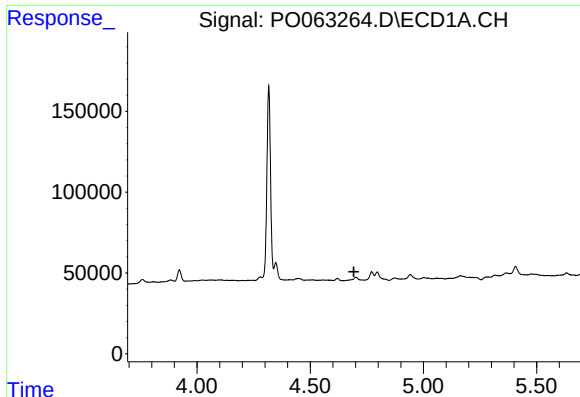
#10 AR-1221-3

R.T.: 0.000 min  
Exp R.T. : 4.687 min  
Response: 0  
Conc: N.D.



#10 AR-1221-3

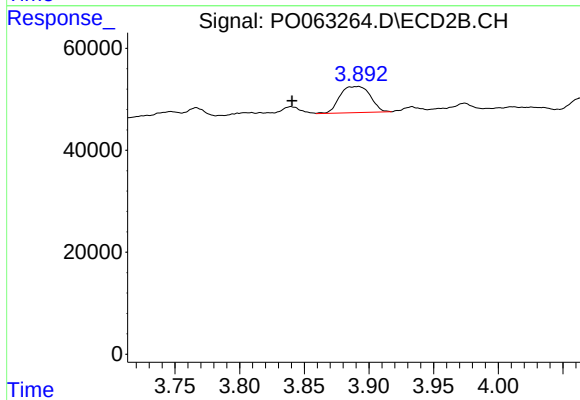
R.T.: 3.891 min  
Delta R.T.: 0.052 min  
Response: 84027  
Conc: 68.34 ng/ml



#11 AR-1232-1

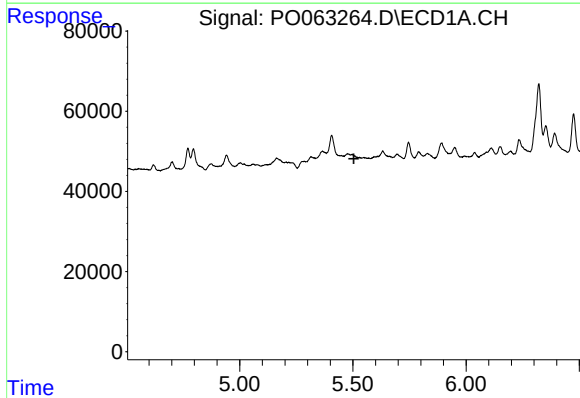
R.T.: 0.000 min  
Exp R.T. : 4.693 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
445X-8B



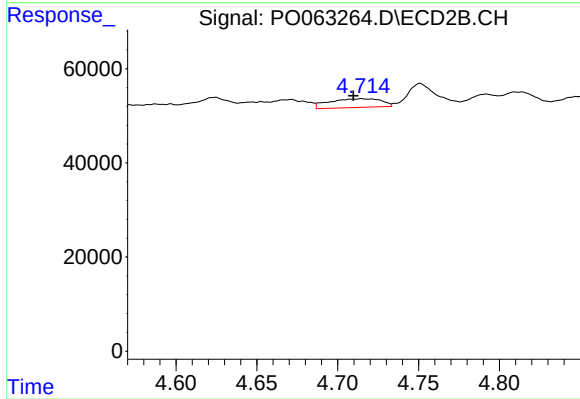
#11 AR-1232-1

R.T.: 3.891 min  
Delta R.T.: 0.051 min  
Response: 84027  
Conc: 49.23 ng/ml



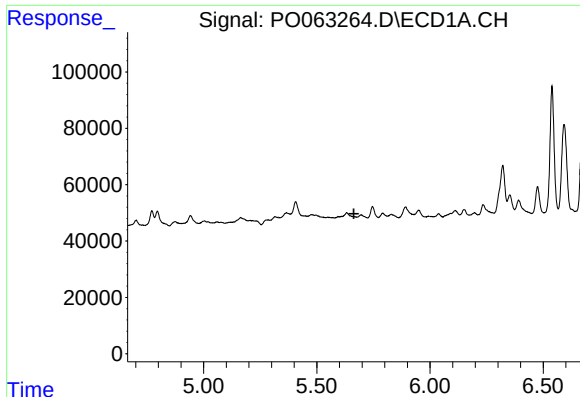
#13 AR-1232-3

R.T.: 0.000 min  
Exp R.T. : 5.504 min  
Response: 0  
Conc: N.D.



#13 AR-1232-3

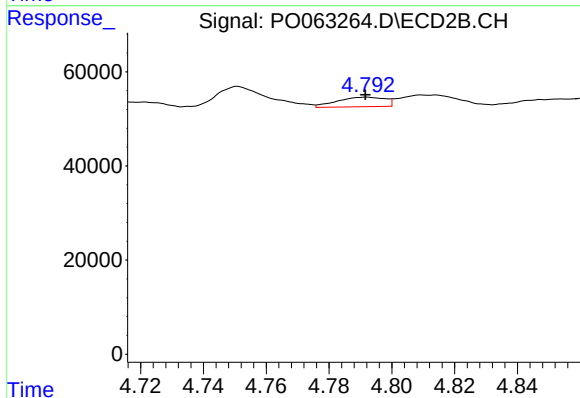
R.T.: 4.715 min  
Delta R.T.: 0.005 min  
Response: 41520  
Conc: 42.92 ng/ml



#14 AR-1232-4

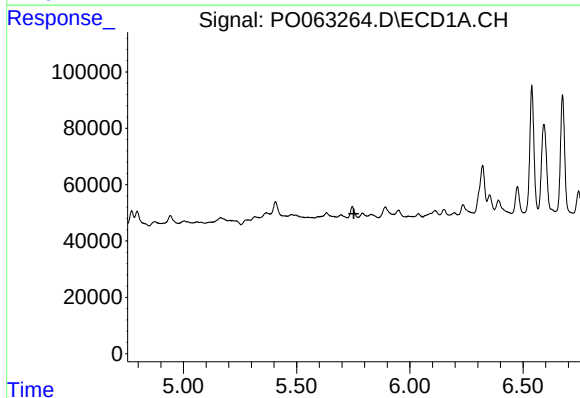
R.T.: 0.000 min  
Exp R.T.: 5.664 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
445X-8B



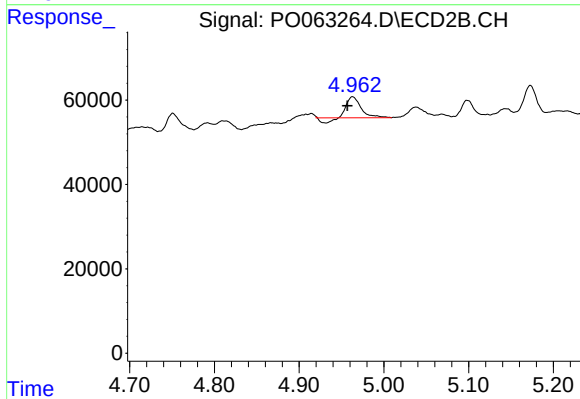
#14 AR-1232-4

R.T.: 4.792 min  
Delta R.T.: 0.000 min  
Response: 21507  
Conc: 25.90 ng/ml



#15 AR-1232-5

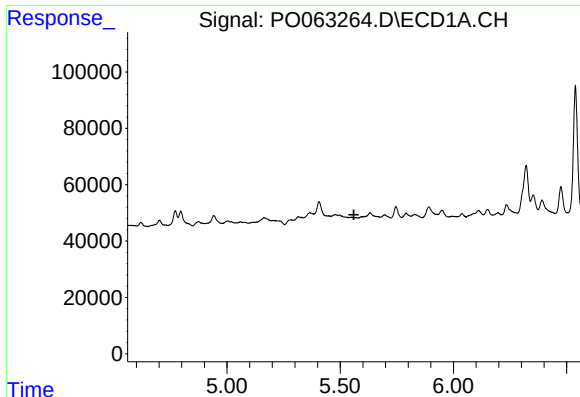
R.T.: 0.000 min  
Exp R.T.: 5.753 min  
Response: 0  
Conc: N.D.



#15 AR-1232-5

R.T.: 4.963 min  
Delta R.T.: 0.006 min  
Response: 52424  
Conc: 56.01 ng/ml

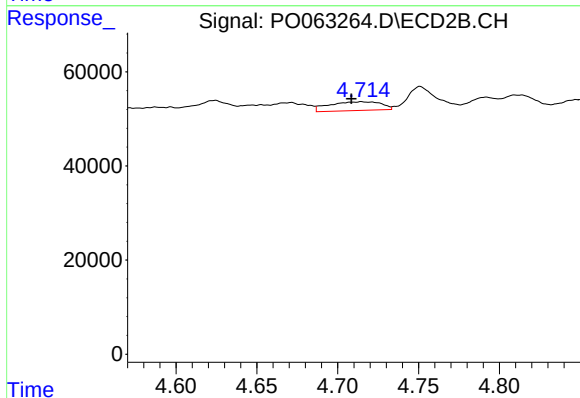




#18 AR-1242-3

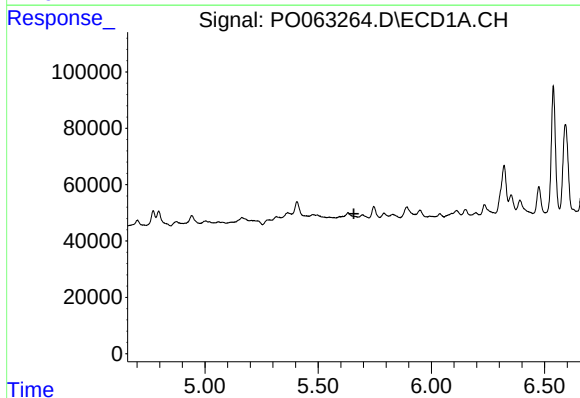
R.T.: 0.000 min  
Exp R.T.: 5.560 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
445X-8B



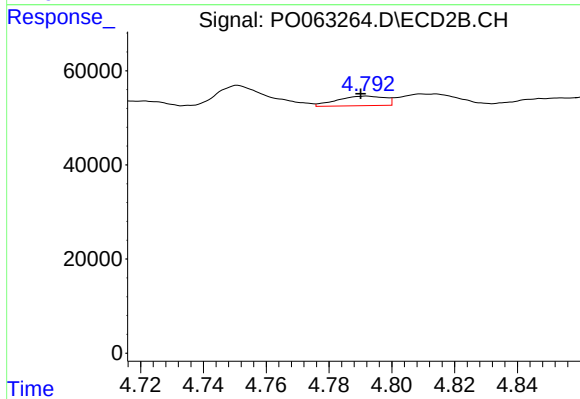
#18 AR-1242-3

R.T.: 4.715 min  
Delta R.T.: 0.006 min  
Response: 41520  
Conc: 39.62 ng/ml



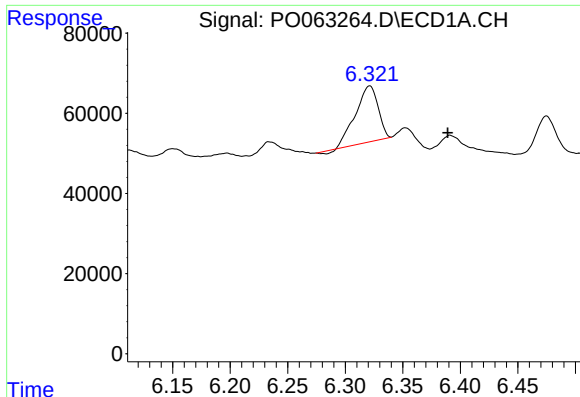
#19 AR-1242-4

R.T.: 0.000 min  
Exp R.T.: 5.658 min  
Response: 0  
Conc: N.D.



#19 AR-1242-4

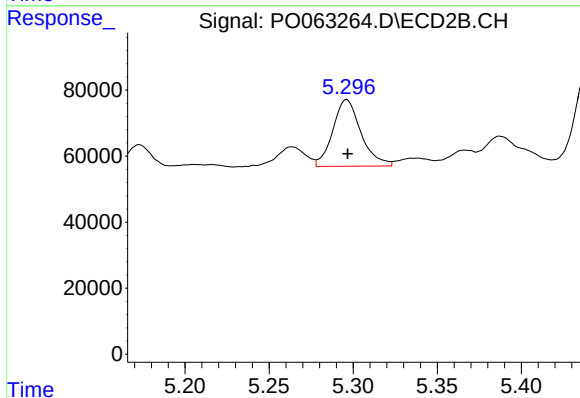
R.T.: 4.792 min  
Delta R.T.: 0.002 min  
Response: 21507  
Conc: 21.67 ng/ml



#20 AR-1242-5

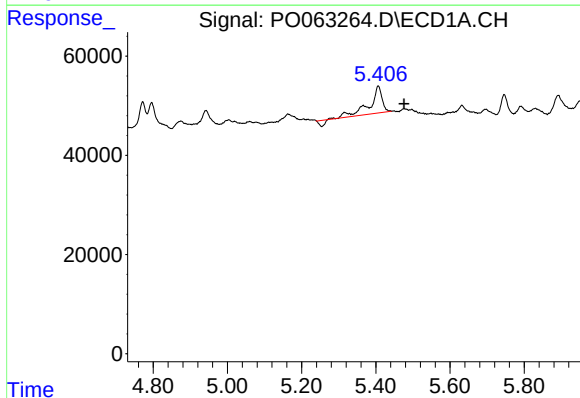
R.T.: 6.321 min  
Delta R.T.: -0.068 min  
Response: 188572  
Conc: 131.02 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
445X-8B



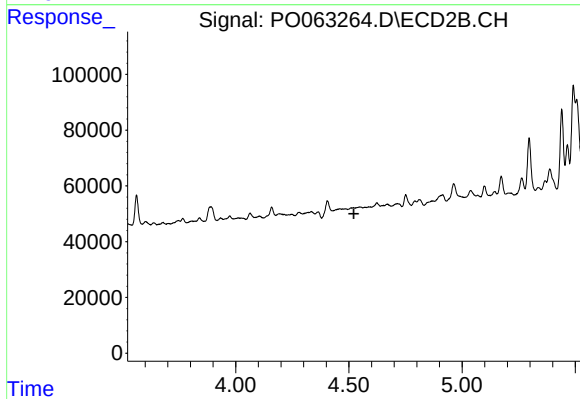
#20 AR-1242-5

R.T.: 5.296 min  
Delta R.T.: 0.000 min  
Response: 236047  
Conc: 168.96 ng/ml



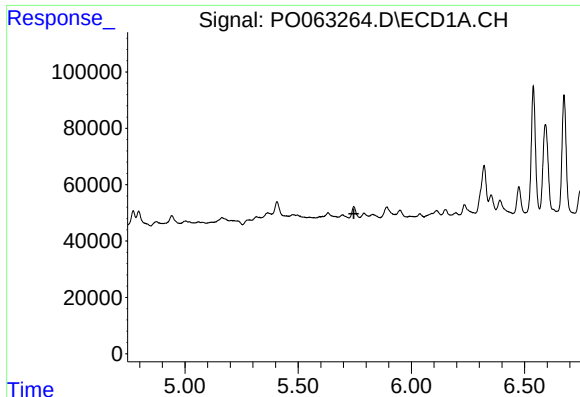
#21 AR-1248-1

R.T.: 5.407 min  
Delta R.T.: -0.070 min  
Response: 120560  
Conc: 97.78 ng/ml



#21 AR-1248-1

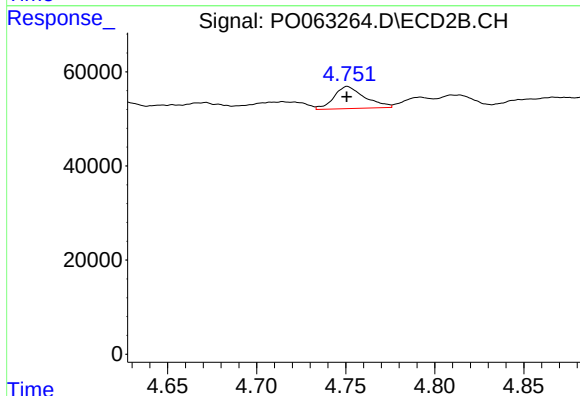
R.T.: 0.000 min  
Exp R.T.: 4.522 min  
Response: 0  
Conc: N.D.



#22 AR-1248-2

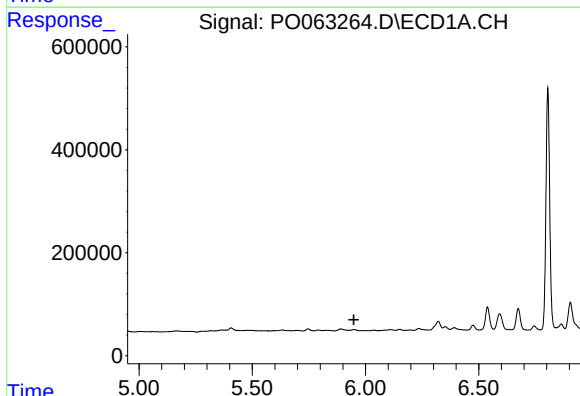
R.T.: 0.000 min  
Exp R.T.: 5.746 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
445X-8B



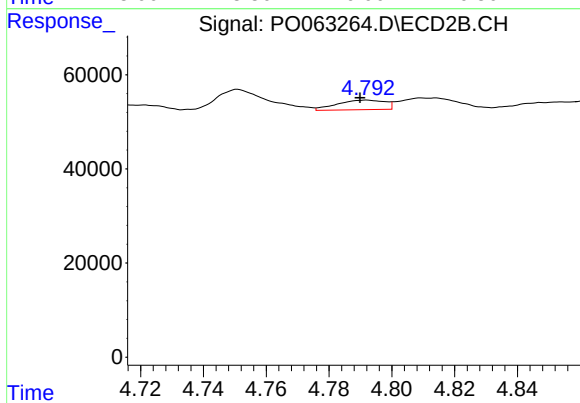
#22 AR-1248-2

R.T.: 4.751 min  
Delta R.T.: 0.000 min  
Response: 56658  
Conc: 40.52 ng/ml



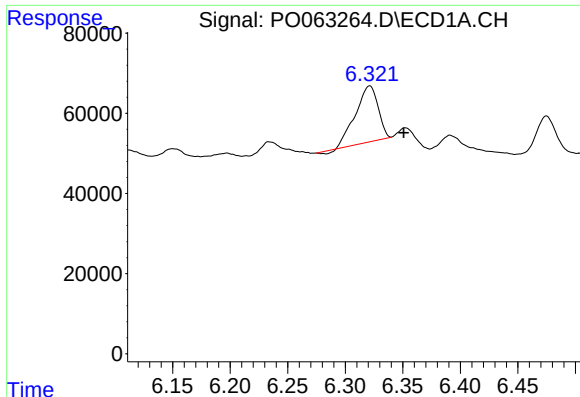
#23 AR-1248-3

R.T.: 0.000 min  
Exp R.T.: 5.949 min  
Response: 0  
Conc: N.D.



#23 AR-1248-3

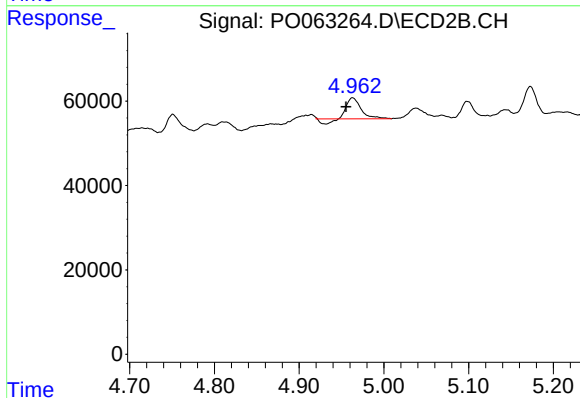
R.T.: 4.792 min  
Delta R.T.: 0.002 min  
Response: 21507  
Conc: 14.87 ng/ml



#24 AR-1248-4

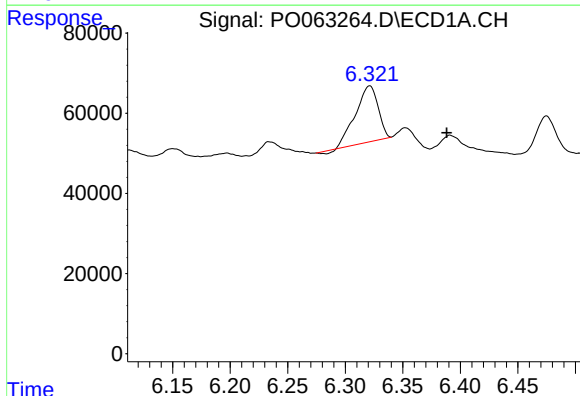
R.T.: 6.321 min  
Delta R.T.: -0.030 min  
Response: 188572  
Conc: 75.76 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
445X-8B



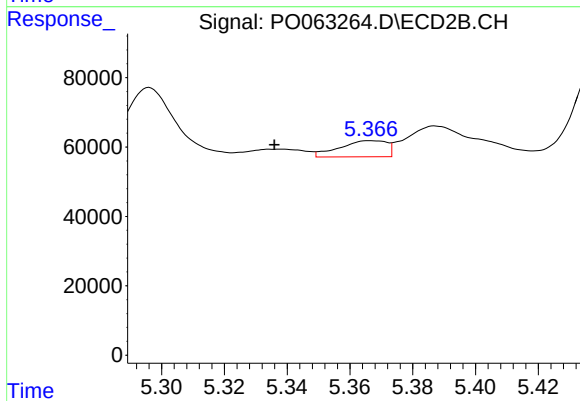
#24 AR-1248-4

R.T.: 4.963 min  
Delta R.T.: 0.008 min  
Response: 52424  
Conc: 29.11 ng/ml



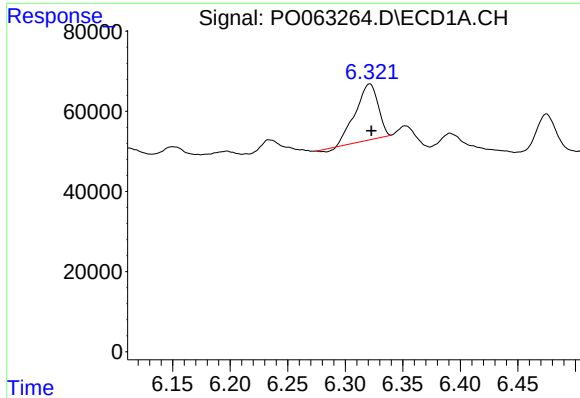
#25 AR-1248-5

R.T.: 6.321 min  
Delta R.T.: -0.067 min  
Response: 188572  
Conc: 80.77 ng/ml



#25 AR-1248-5

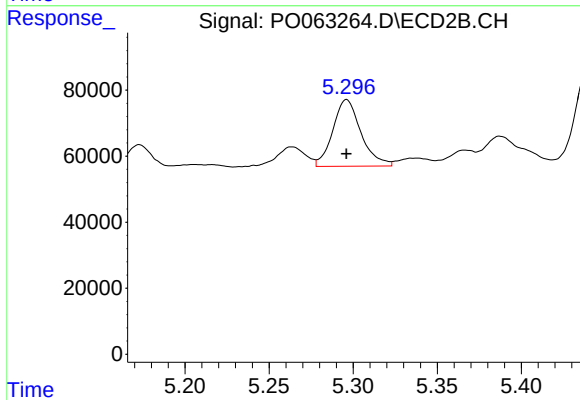
R.T.: 5.367 min  
Delta R.T.: 0.031 min  
Response: 48926  
Conc: 26.47 ng/ml



#26 AR-1254-1

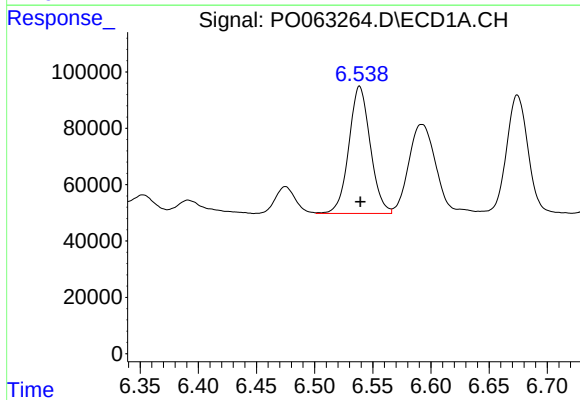
R.T.: 6.321 min  
Delta R.T.: -0.002 min  
Response: 188572  
Conc: 74.17 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
445X-8B



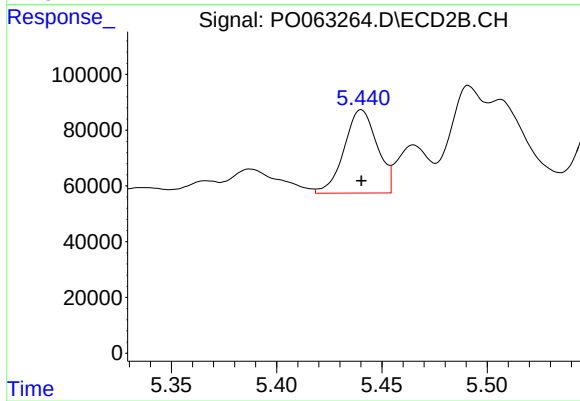
#26 AR-1254-1

R.T.: 5.296 min  
Delta R.T.: 0.000 min  
Response: 236047  
Conc: 78.36 ng/ml



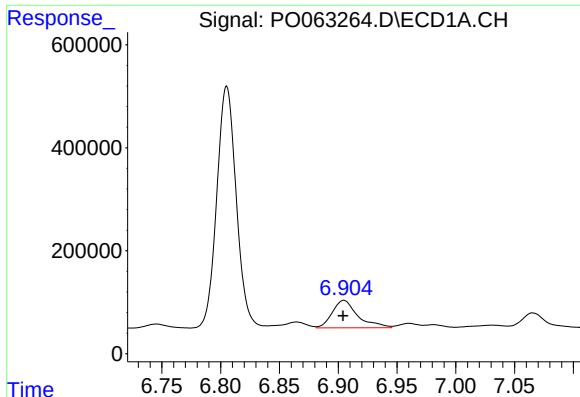
#27 AR-1254-2

R.T.: 6.539 min  
Delta R.T.: 0.000 min  
Response: 579510  
Conc: 143.27 ng/ml



#27 AR-1254-2

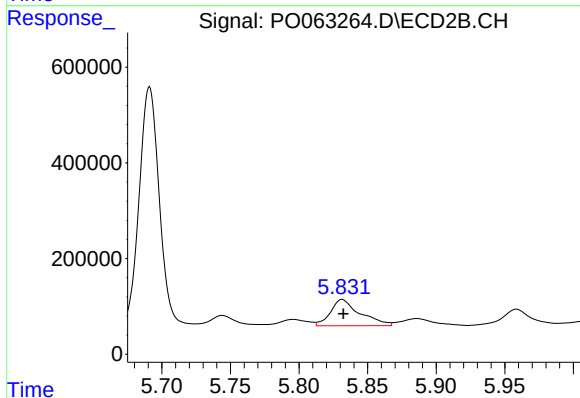
R.T.: 5.440 min  
Delta R.T.: 0.000 min  
Response: 326091  
Conc: 120.91 ng/ml



#28 AR-1254-3

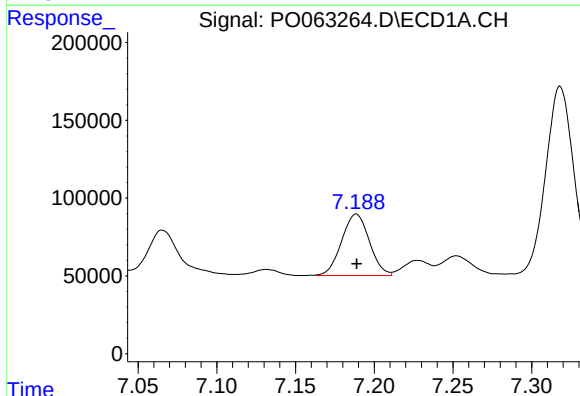
R.T.: 6.905 min  
Delta R.T.: 0.000 min  
Response: 811172  
Conc: 190.58 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
445X-8B



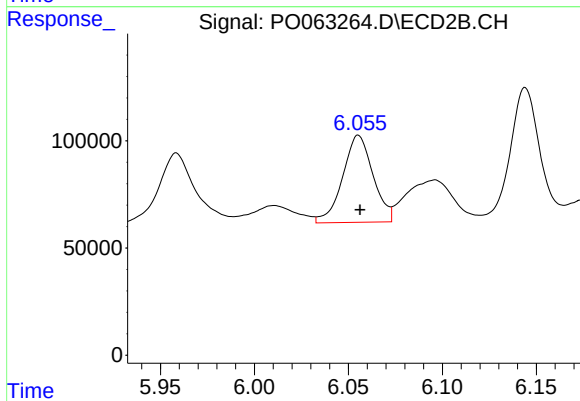
#28 AR-1254-3

R.T.: 5.831 min  
Delta R.T.: 0.000 min  
Response: 823302  
Conc: 191.77 ng/ml



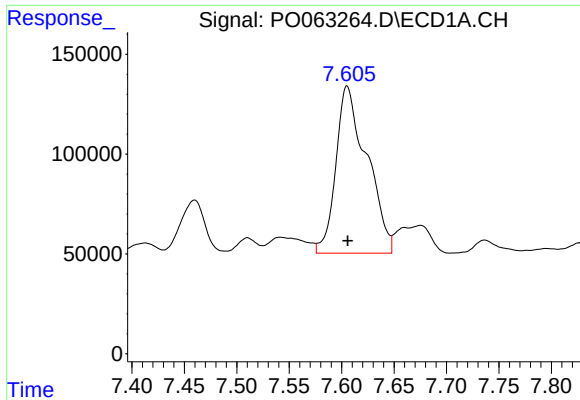
#29 AR-1254-4

R.T.: 7.189 min  
Delta R.T.: 0.000 min  
Response: 483129  
Conc: 142.74 ng/ml



#29 AR-1254-4

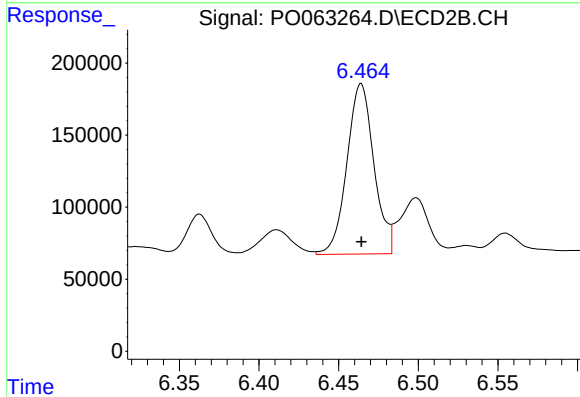
R.T.: 6.055 min  
Delta R.T.: 0.000 min  
Response: 457330  
Conc: 160.49 ng/ml



#30 AR-1254-5

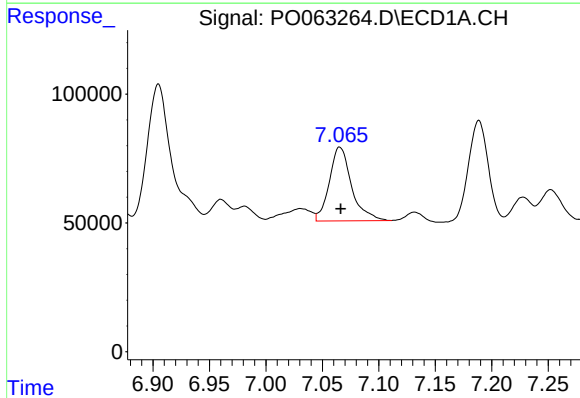
R.T.: 7.605 min  
Delta R.T.: 0.000 min  
Response: 1717904  
Conc: 517.91 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
445X-8B



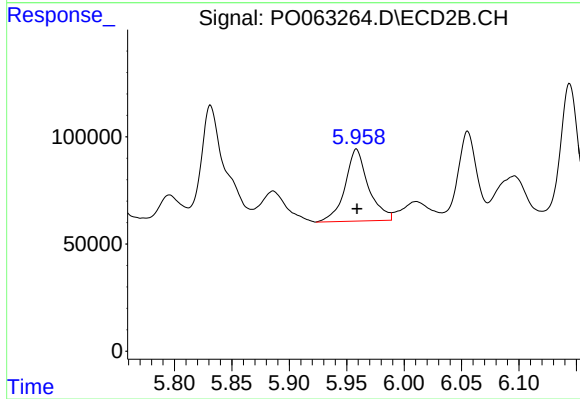
#30 AR-1254-5

R.T.: 6.464 min  
Delta R.T.: 0.000 min  
Response: 1395290  
Conc: 374.31 ng/ml



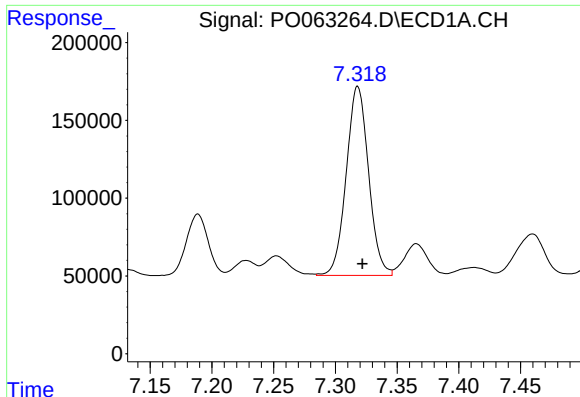
#31 AR-1260-1

R.T.: 7.065 min  
Delta R.T.: 0.000 min  
Response: 391742  
Conc: 126.32 ng/ml



#31 AR-1260-1

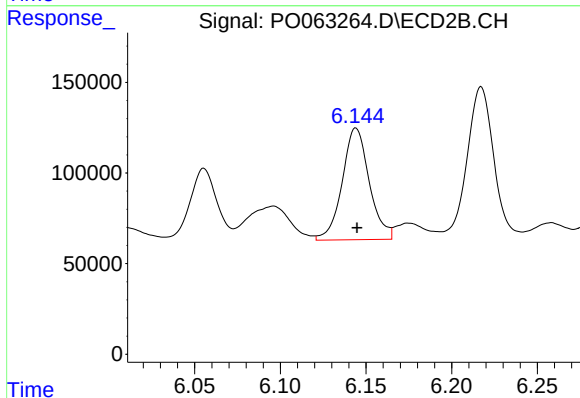
R.T.: 5.958 min  
Delta R.T.: 0.000 min  
Response: 478052  
Conc: 173.09 ng/ml



#32 AR-1260-2

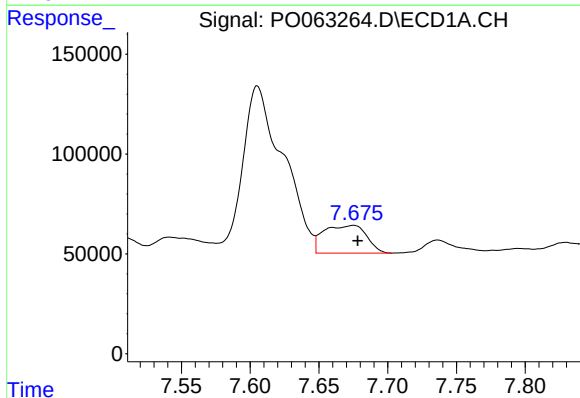
R.T.: 7.318 min  
Delta R.T.: -0.004 min  
Response: 1531567  
Conc: 379.39 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
445X-8B



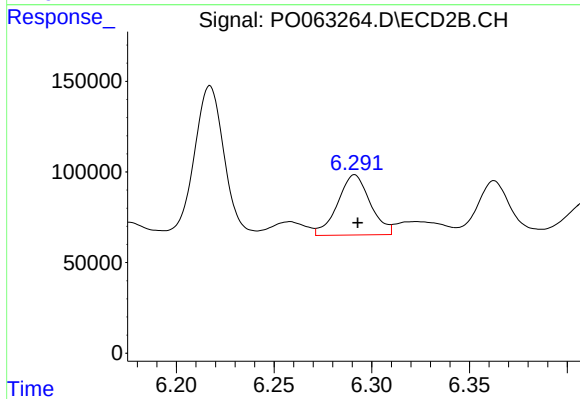
#32 AR-1260-2

R.T.: 6.144 min  
Delta R.T.: 0.000 min  
Response: 678151  
Conc: 176.75 ng/ml



#33 AR-1260-3

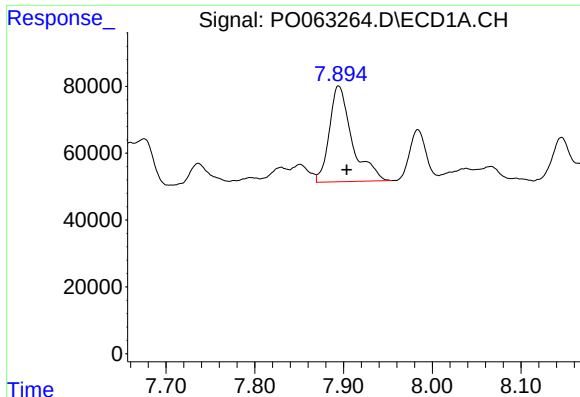
R.T.: 7.675 min  
Delta R.T.: -0.003 min  
Response: 300050  
Conc: 93.43 ng/ml



#33 AR-1260-3

R.T.: 6.291 min  
Delta R.T.: -0.002 min  
Response: 386216  
Conc: 123.09 ng/ml

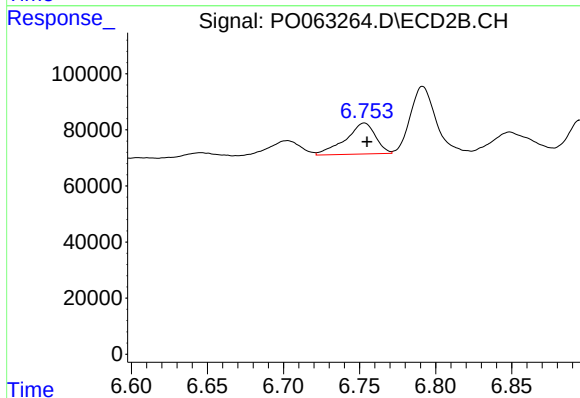




#34 AR-1260-4

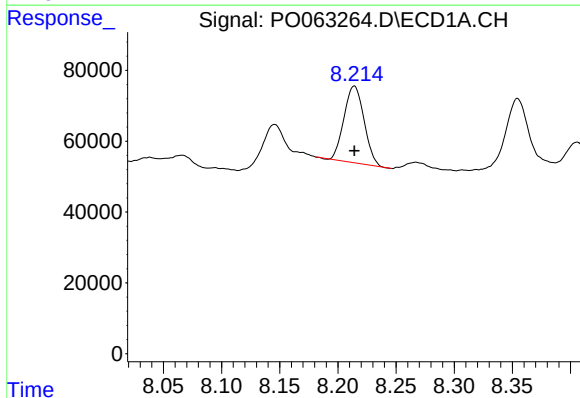
R.T.: 7.895 min  
Delta R.T.: -0.009 min  
Response: 509556  
Conc: 159.62 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
445X-8B



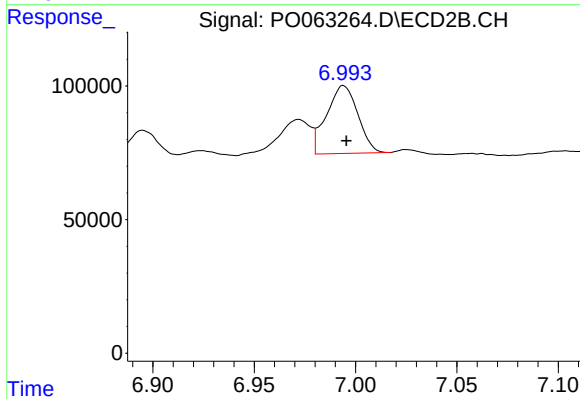
#34 AR-1260-4

R.T.: 6.753 min  
Delta R.T.: -0.002 min  
Response: 151750  
Conc: 59.94 ng/ml



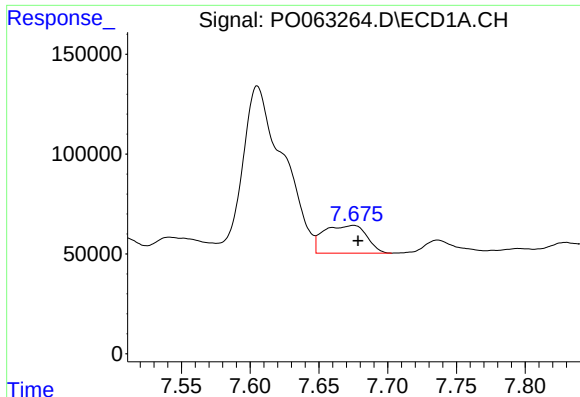
#35 AR-1260-5

R.T.: 8.214 min  
Delta R.T.: 0.000 min  
Response: 259840  
Conc: 44.30 ng/ml



#35 AR-1260-5

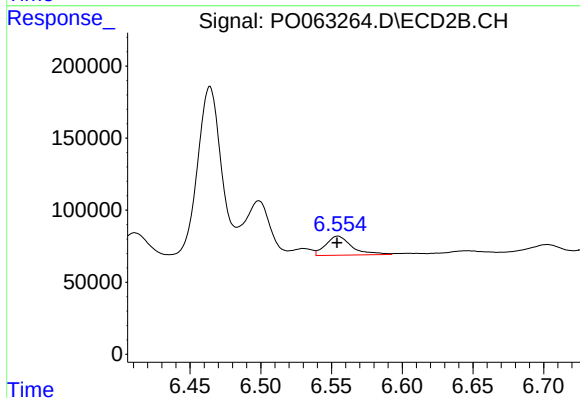
R.T.: 6.994 min  
Delta R.T.: -0.001 min  
Response: 273067  
Conc: 44.80 ng/ml



#36 AR-1262-1

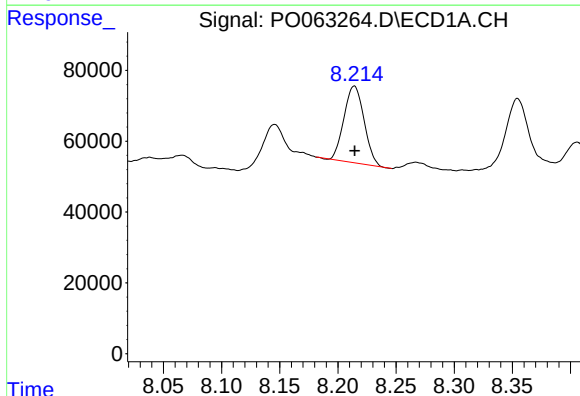
R.T.: 7.675 min  
Delta R.T.: -0.003 min  
Response: 300050  
Conc: 62.86 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
445X-8B



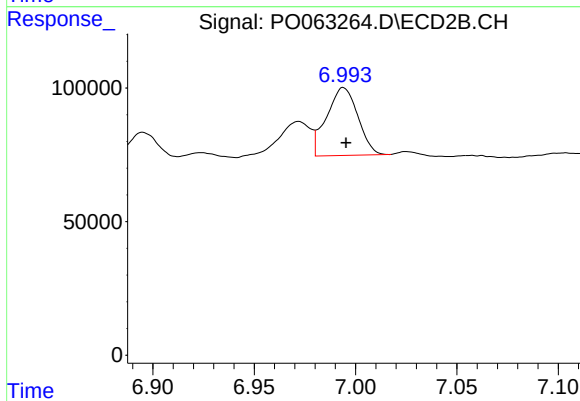
#36 AR-1262-1

R.T.: 6.554 min  
Delta R.T.: 0.000 min  
Response: 171007  
Conc: 93.98 ng/ml



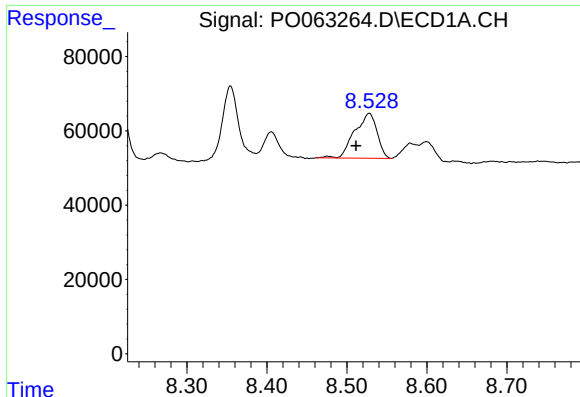
#37 AR-1262-2

R.T.: 8.214 min  
Delta R.T.: 0.000 min  
Response: 259840  
Conc: 37.27 ng/ml



#37 AR-1262-2

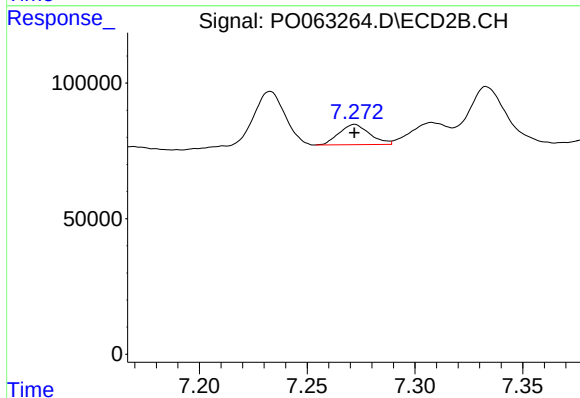
R.T.: 6.994 min  
Delta R.T.: -0.001 min  
Response: 273067  
Conc: 38.31 ng/ml



#38 AR-1262-3

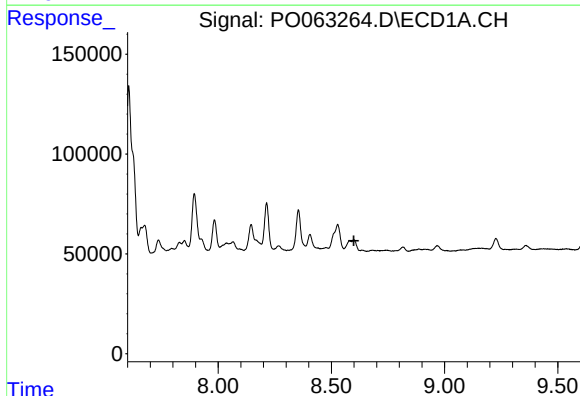
R.T.: 8.528 min  
Delta R.T.: 0.016 min  
Response: 235050  
Conc: 50.86 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
445X-8B



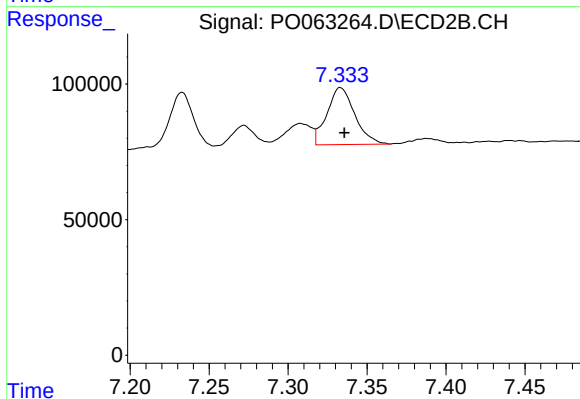
#38 AR-1262-3

R.T.: 7.272 min  
Delta R.T.: 0.000 min  
Response: 73709  
Conc: 27.50 ng/ml



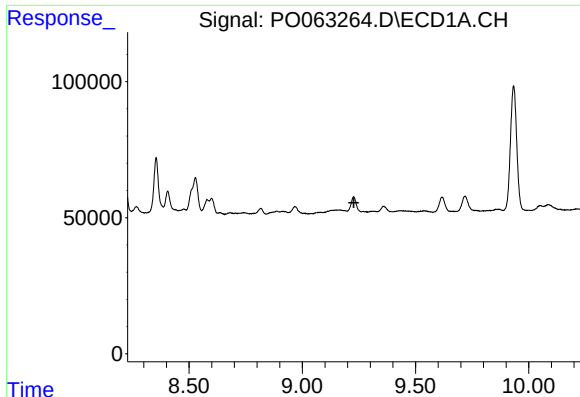
#39 AR-1262-4

R.T.: 0.000 min  
Exp R.T. : 8.600 min  
Response: 0  
Conc: N.D.



#39 AR-1262-4

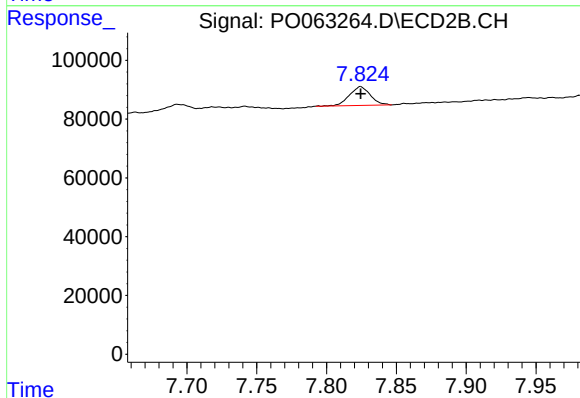
R.T.: 7.333 min  
Delta R.T.: -0.002 min  
Response: 258616  
Conc: 56.39 ng/ml



#40 AR-1262-5

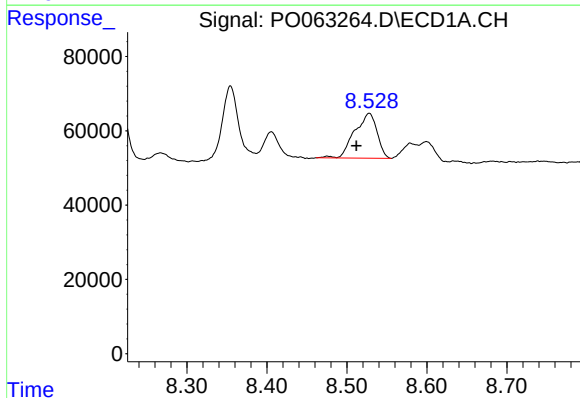
R.T.: 0.000 min  
Exp R.T.: 9.228 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
445X-8B



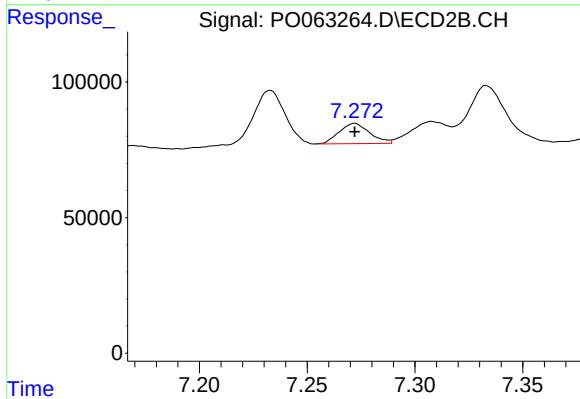
#40 AR-1262-5

R.T.: 7.824 min  
Delta R.T.: 0.000 min  
Response: 66495  
Conc: 33.89 ng/ml



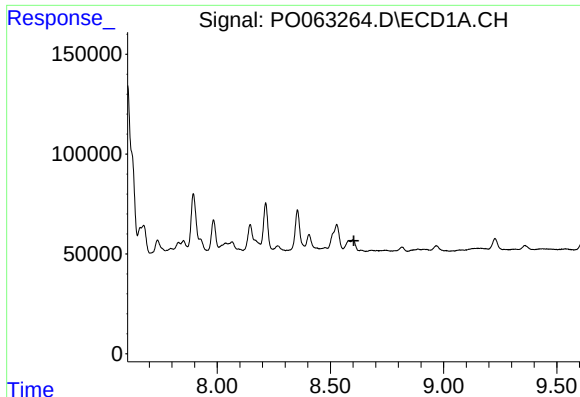
#41 AR-1268-1

R.T.: 8.528 min  
Delta R.T.: 0.016 min  
Response: 235050  
Conc: 28.07 ng/ml



#41 AR-1268-1

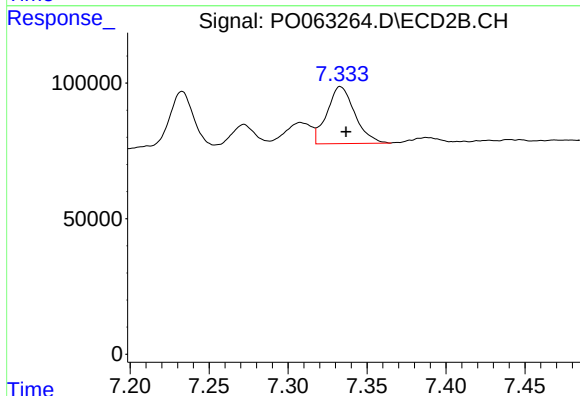
R.T.: 7.272 min  
Delta R.T.: 0.000 min  
Response: 73709  
Conc: 9.25 ng/ml



#42 AR-1268-2

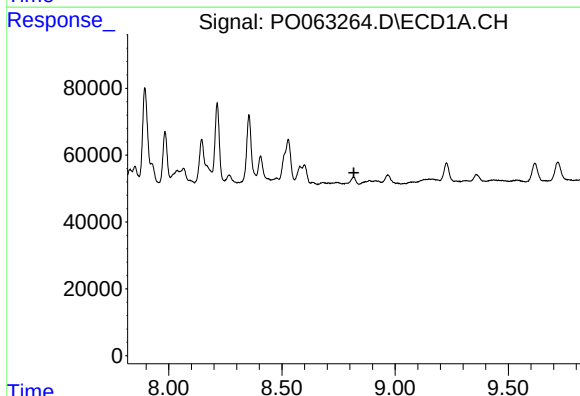
R.T.: 0.000 min  
Exp R.T.: 8.603 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
445X-8B



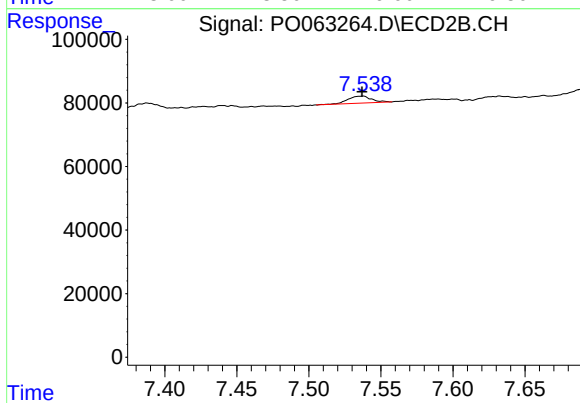
#42 AR-1268-2

R.T.: 7.333 min  
Delta R.T.: -0.004 min  
Response: 258616  
Conc: 39.28 ng/ml



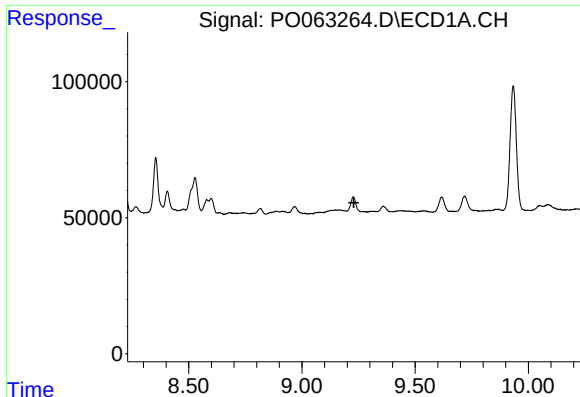
#43 AR-1268-3

R.T.: 0.000 min  
Exp R.T.: 8.818 min  
Response: 0  
Conc: N.D.



#43 AR-1268-3

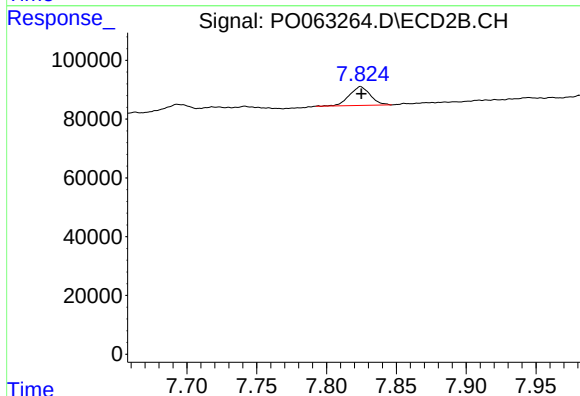
R.T.: 7.537 min  
Delta R.T.: 0.000 min  
Response: 25401  
Conc: 4.55 ng/ml



#44 AR-1268-4

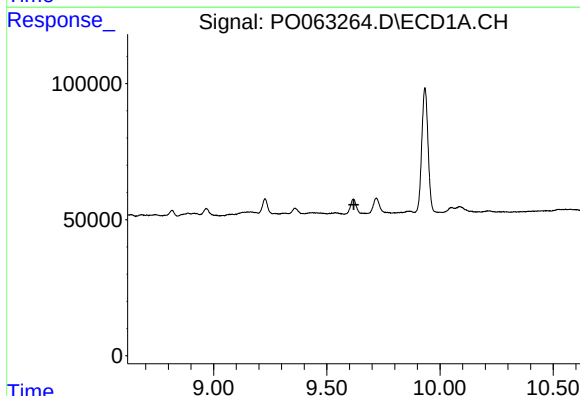
R.T.: 0.000 min  
Exp R.T.: 9.230 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :  
445X-8B



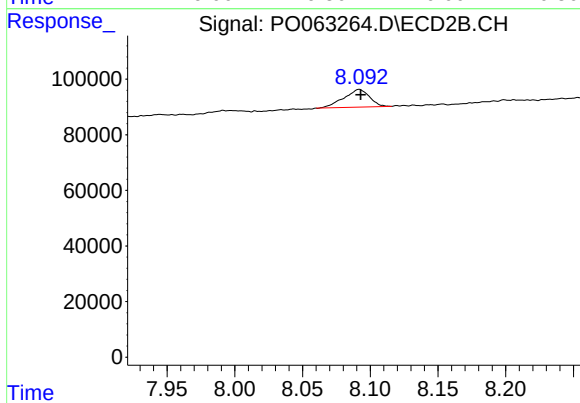
#44 AR-1268-4

R.T.: 7.824 min  
Delta R.T.: 0.000 min  
Response: 66495  
Conc: 30.81 ng/ml



#45 AR-1268-5

R.T.: 0.000 min  
Exp R.T.: 9.620 min  
Response: 0  
Conc: N.D.



#45 AR-1268-5

R.T.: 8.092 min  
Delta R.T.: -0.001 min  
Response: 84151  
Conc: 5.62 ng/ml