

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO102220\  
 Data File : PO072667.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 22 Oct 2020 18:21  
 Operator : DD\AJ  
 Sample : L4214-07  
 Misc : AR1660 LOD 25 PPB  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2020

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 23 05:55:10 2020  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO101420.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Oct 14 17:47:24 2020  
 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  | 3.501 | 1240121 | 654478 | 14.621  | 15.538   |
| 2)                          | SA Decachlor... | 9.917  | 8.664 | 1544085 | 835737 | 13.998  | 16.167   |
| Target Compounds            |                 |        |       |         |        |         |          |
| 3)                          | L1 AR-1016-1    | 5.641f | 4.719 | 217628  | 40957  | 66.028  | 23.816 # |
| 4)                          | L1 AR-1016-2    | 5.641  | 4.736 | 217628  | 67605  | 46.567  | 27.523 # |
| 5)                          | L1 AR-1016-3    | 5.705  | 4.920 | 62297   | 34115  | 23.375  | 27.827   |
| 6)                          | L1 AR-1016-4    | 5.810  | 0.000 | 58828   | 0      | 24.783  | N.D. #   |
| 7)                          | L1 AR-1016-5    | 6.118  | 5.197 | 58662   | 37485  | 28.889  | 28.466   |
| 12)                         | L3 AR-1232-2    | 5.327  | 4.736 | 66886   | 67605  | 70.242  | 65.170   |
| 13)                         | L3 AR-1232-3    | 5.641  | 4.920 | 217628  | 34115  | 111.068 | 66.007 # |
| 14)                         | L3 AR-1232-4    | 5.810  | 0.000 | 58828   | 0      | 60.739  | N.D. #   |
| 15)                         | L3 AR-1232-5    | 5.908  | 5.197 | 65852   | 37485  | 109.821 | 73.372 # |
| 16)                         | L4 AR-1242-1    | 5.641f | 4.719 | 217628  | 40957  | 89.361  | 31.687 # |
| 17)                         | L4 AR-1242-2    | 5.641  | 4.736 | 217628  | 67605  | 61.828  | 36.918 # |
| 18)                         | L4 AR-1242-3    | 5.705  | 4.920 | 62297   | 34115  | 30.113  | 36.238   |
| 19)                         | L4 AR-1242-4    | 5.810  | 0.000 | 58828   | 0      | 33.931  | N.D. #   |
| 20)                         | L4 AR-1242-5    | 0.000  | 5.570 | 0       | 44085  | N.D.    | 32.110 # |
| 21)                         | L5 AR-1248-1    | 5.641f | 4.719 | 217628  | 40957  | 116.412 | 40.267 # |
| 22)                         | L5 AR-1248-2    | 5.908  | 0.000 | 65852   | 0      | 26.320  | N.D. #   |
| 23)                         | L5 AR-1248-3    | 6.118  | 0.000 | 58662   | 0      | 20.248  | N.D. #   |
| 24)                         | L5 AR-1248-4    | 0.000  | 5.197 | 0       | 37485  | N.D.    | 22.322 # |
| 26)                         | L6 AR-1254-1    | 6.509  | 5.570 | 72480   | 44085  | 17.157  | 15.949   |
| 27)                         | L6 AR-1254-2    | 6.736  | 5.731 | 108506  | 46312  | 16.742  | 19.049   |
| 28)                         | L6 AR-1254-3    | 7.112  | 6.158 | 60315   | 46752  | 8.874   | 12.149 # |
| 29)                         | L6 AR-1254-4    | 7.407  | 0.000 | 53950   | 0      | 8.139   | N.D. #   |
| 30)                         | L6 AR-1254-5    | 7.828  | 6.799 | 358950  | 176141 | 56.036  | 48.064   |
| 31)                         | L7 AR-1260-1    | 7.274  | 6.274 | 203271  | 115881 | 41.712  | 45.298   |
| 32)                         | L7 AR-1260-2    | 7.541  | 6.475 | 326253  | 148754 | 42.521  | 46.132   |
| 33)                         | L7 AR-1260-3    | 7.898  | 6.620 | 222633  | 121239 | 34.739  | 40.396   |
| 34)                         | L7 AR-1260-4    | 8.125  | 7.095 | 217526  | 80997  | 35.742  | 30.722   |
| 35)                         | L7 AR-1260-5    | 8.440  | 7.348 | 519729  | 253400 | 35.776  | 38.786   |
| 36)                         | L8 AR-1262-1    | 7.898  | 6.799 | 222633  | 176141 | 23.475  | 92.312 # |
| 37)                         | L8 AR-1262-2    | 8.440  | 7.348 | 519729  | 253400 | 32.518  | 37.939   |
| 38)                         | L8 AR-1262-3    | 8.730f | 7.626 | 281740  | 45334  | 40.319  | 15.907 # |
| 39)                         | L8 AR-1262-4    | 8.774f | 7.687 | 185637  | 181297 | 46.452  | 35.178   |
| 40)                         | L8 AR-1262-5    | 9.335  | 8.186 | 114778  | 58694  | 21.575  | 23.241   |
| 41)                         | L9 AR-1268-1    | 8.730f | 7.626 | 281740  | 45334  | 14.634  | 5.717 #  |
| 42)                         | L9 AR-1268-2    | 8.774f | 7.687 | 185637  | 181297 | 11.244  | 24.918 # |
| 44)                         | L9 AR-1268-4    | 9.335  | 8.186 | 114778  | 58694  | 19.237  | 20.762   |
| -----                       |                 |        |       |         |        |         |          |

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

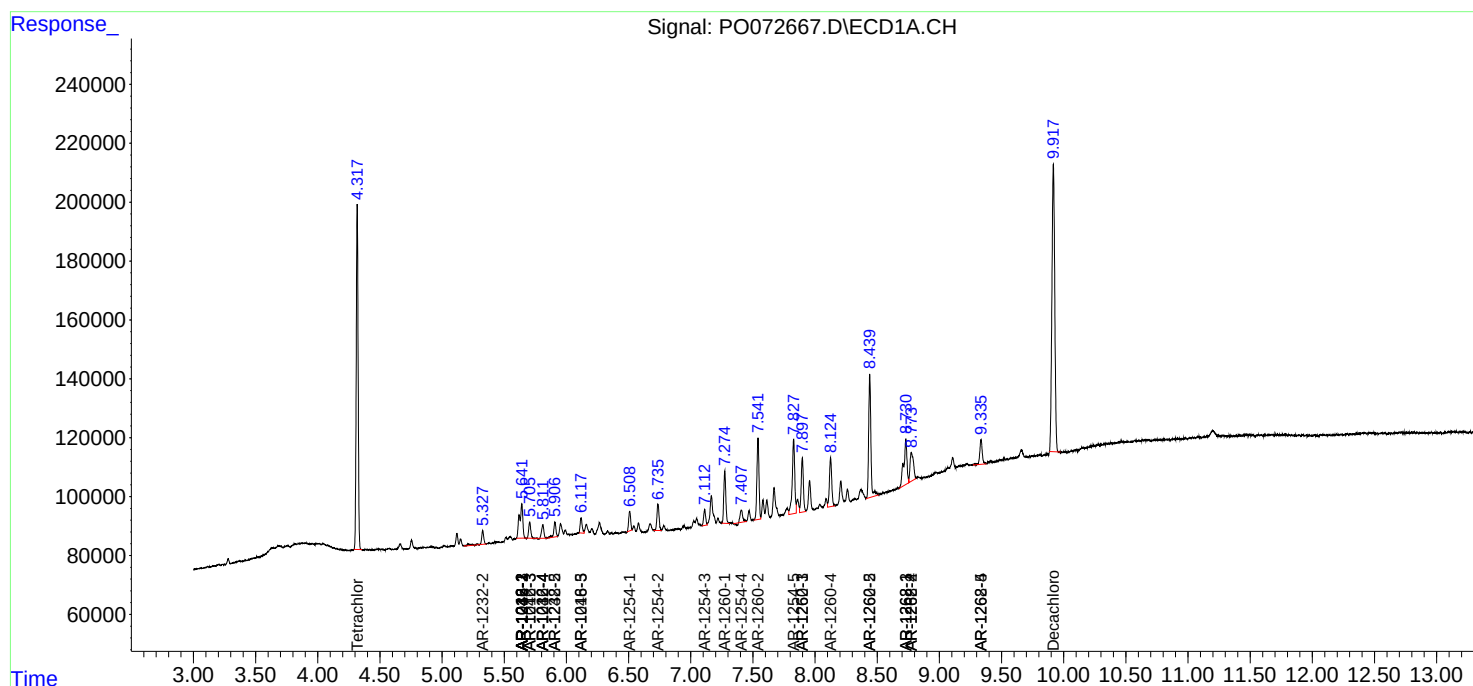


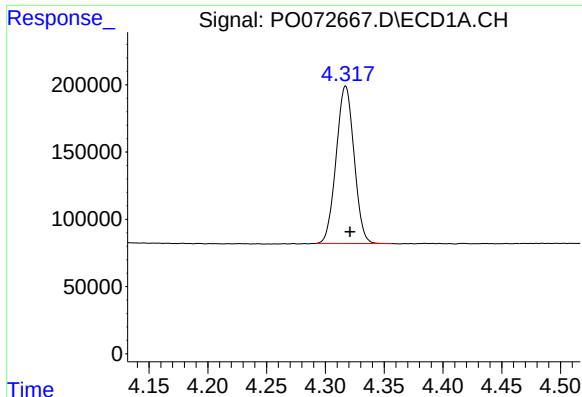
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO102220\  
Data File : PO072667.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 22 Oct 2020 18:21  
Operator : DD\AJ  
Sample : L4214-07  
Misc : AR1660 LOD 25 PPB  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2020

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 23 05:55:10 2020  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO101420.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Oct 14 17:47:24 2020  
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

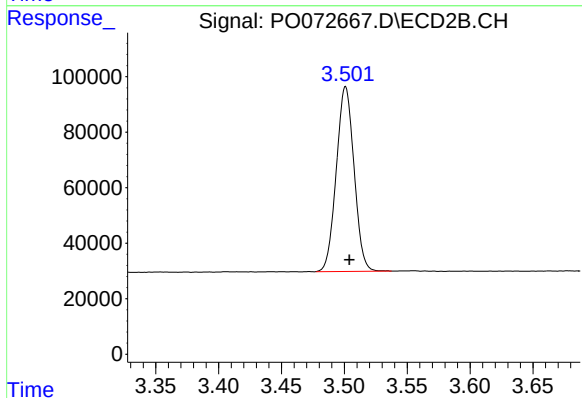




#1 Tetrachloro-m-xylene

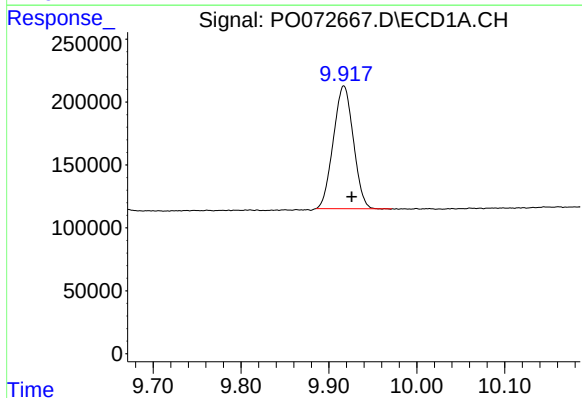
R.T.: 4.317 min  
Delta R.T.: -0.004 min  
Response: 1240121  
Conc: 14.62 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2020



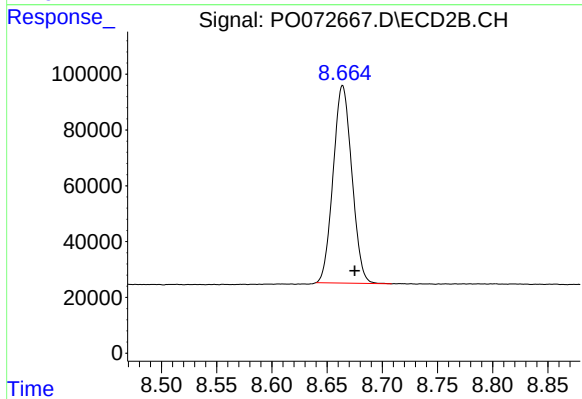
#1 Tetrachloro-m-xylene

R.T.: 3.501 min  
Delta R.T.: -0.003 min  
Response: 654478  
Conc: 15.54 ng/ml



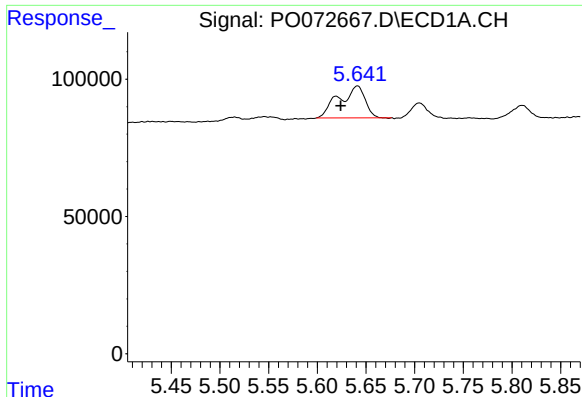
#2 Decachlorobiphenyl

R.T.: 9.917 min  
Delta R.T.: -0.009 min  
Response: 1544085  
Conc: 14.00 ng/ml



#2 Decachlorobiphenyl

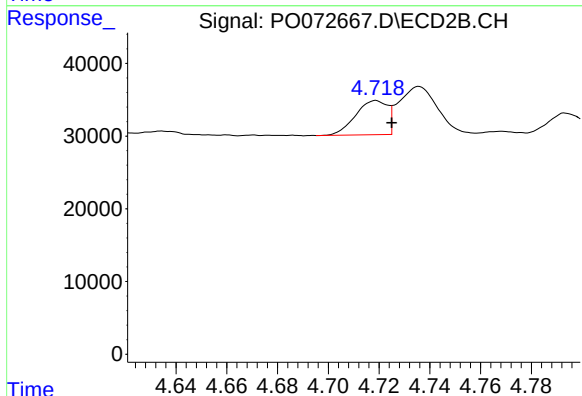
R.T.: 8.664 min  
Delta R.T.: -0.011 min  
Response: 835737  
Conc: 16.17 ng/ml



#3 AR-1016-1

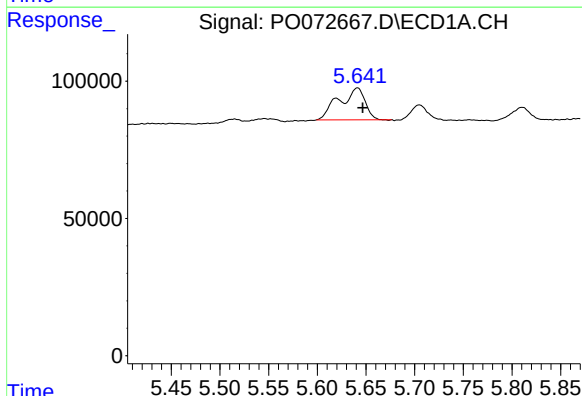
R.T.: 5.641 min  
Delta R.T.: 0.017 min  
Response: 217628  
Conc: 66.03 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2020



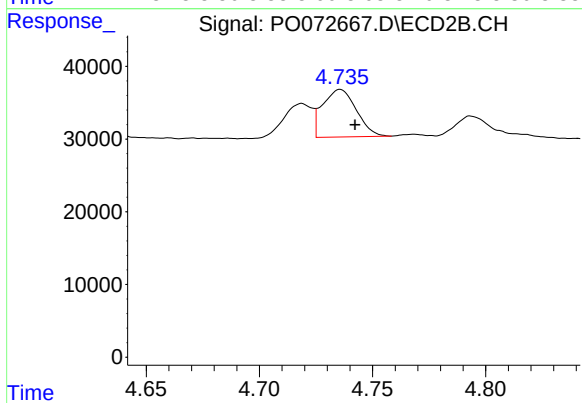
#3 AR-1016-1

R.T.: 4.719 min  
Delta R.T.: -0.006 min  
Response: 40957  
Conc: 23.82 ng/ml



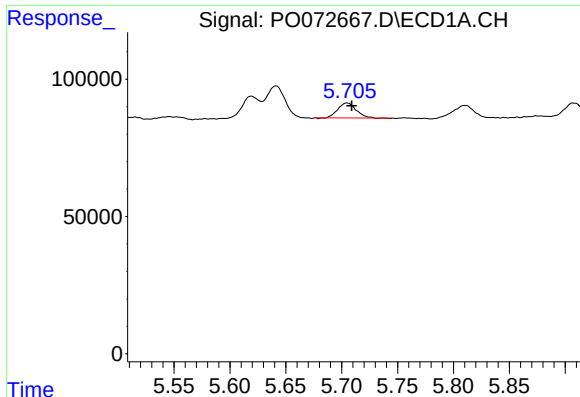
#4 AR-1016-2

R.T.: 5.641 min  
Delta R.T.: -0.006 min  
Response: 217628  
Conc: 46.57 ng/ml



#4 AR-1016-2

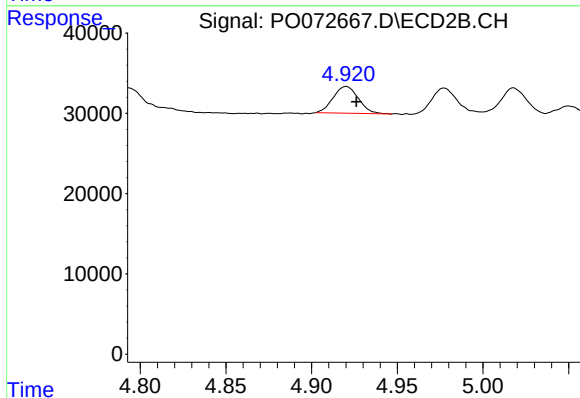
R.T.: 4.736 min  
Delta R.T.: -0.006 min  
Response: 67605  
Conc: 27.52 ng/ml



#5 AR-1016-3

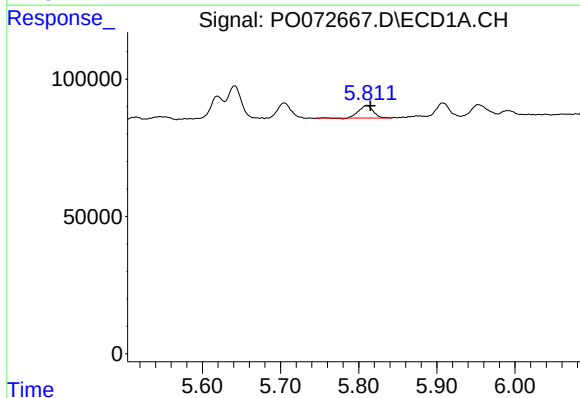
R.T.: 5.705 min  
Delta R.T.: -0.004 min  
Response: 62297  
Conc: 23.37 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2020



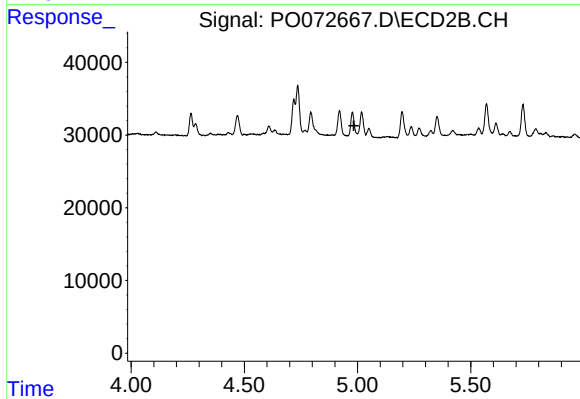
#5 AR-1016-3

R.T.: 4.920 min  
Delta R.T.: -0.006 min  
Response: 34115  
Conc: 27.83 ng/ml



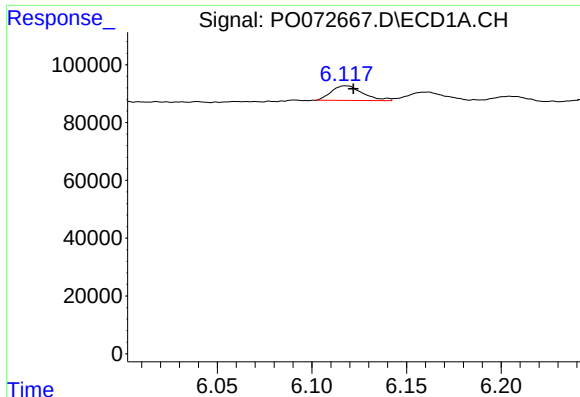
#6 AR-1016-4

R.T.: 5.810 min  
Delta R.T.: -0.005 min  
Response: 58828  
Conc: 24.78 ng/ml



#6 AR-1016-4

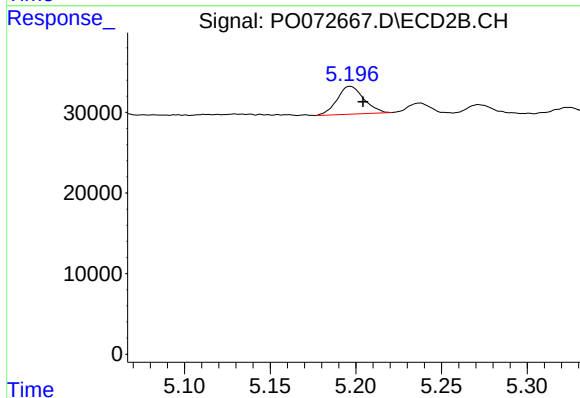
R.T.: 0.000 min  
Exp R.T.: 4.984 min  
Response: 0  
Conc: N.D.



#7 AR-1016-5

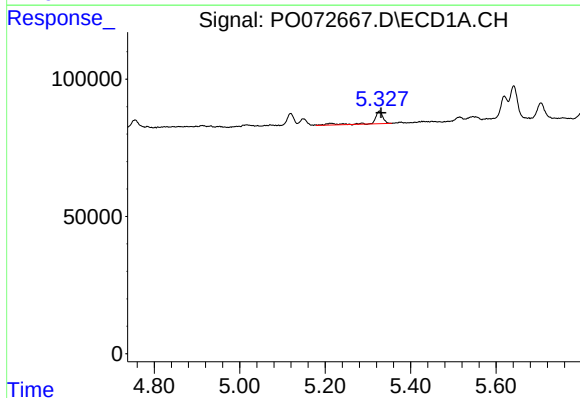
R.T.: 6.118 min  
Delta R.T.: -0.004 min  
Response: 58662  
Conc: 28.89 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2020



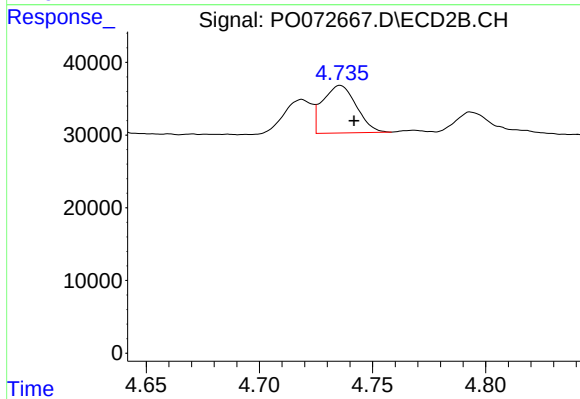
#7 AR-1016-5

R.T.: 5.197 min  
Delta R.T.: -0.008 min  
Response: 37485  
Conc: 28.47 ng/ml



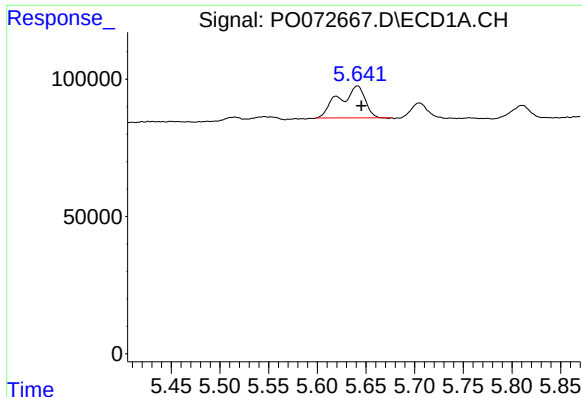
#12 AR-1232-2

R.T.: 5.327 min  
Delta R.T.: -0.004 min  
Response: 66886  
Conc: 70.24 ng/ml



#12 AR-1232-2

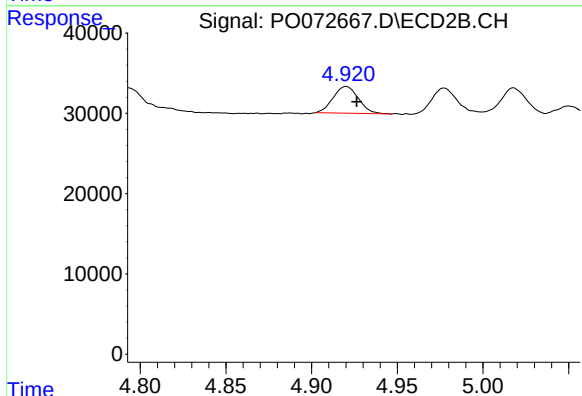
R.T.: 4.736 min  
Delta R.T.: -0.006 min  
Response: 67605  
Conc: 65.17 ng/ml



#13 AR-1232-3

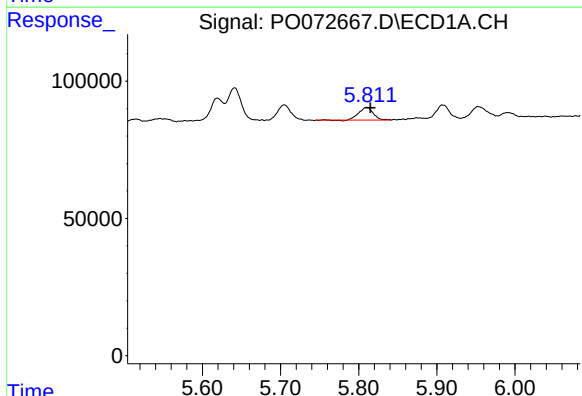
R.T.: 5.641 min  
Delta R.T.: -0.004 min  
Response: 217628  
Conc: 111.07 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2020



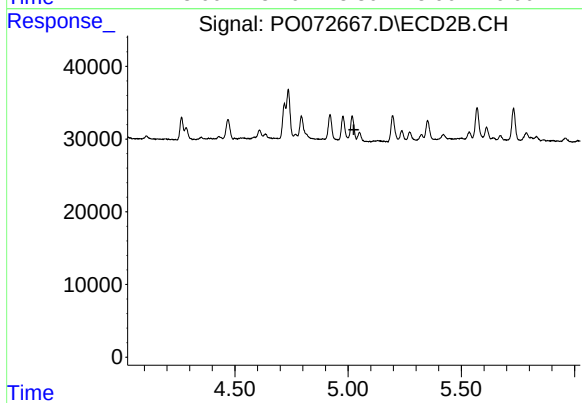
#13 AR-1232-3

R.T.: 4.920 min  
Delta R.T.: -0.006 min  
Response: 34115  
Conc: 66.01 ng/ml



#14 AR-1232-4

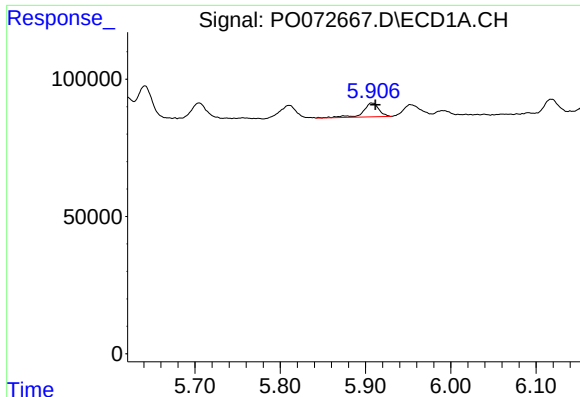
R.T.: 5.810 min  
Delta R.T.: -0.005 min  
Response: 58828  
Conc: 60.74 ng/ml



#14 AR-1232-4

R.T.: 0.000 min  
Exp R.T.: 5.025 min  
Response: 0  
Conc: N.D.

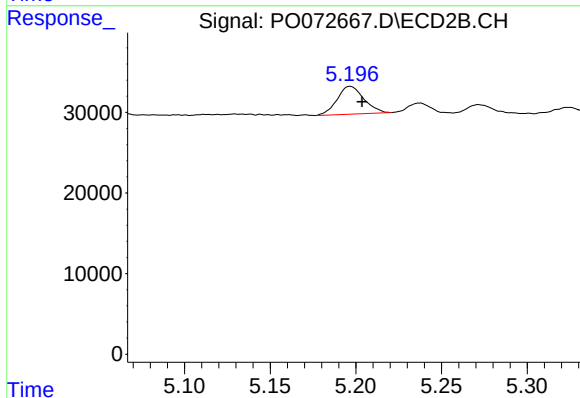




#15 AR-1232-5

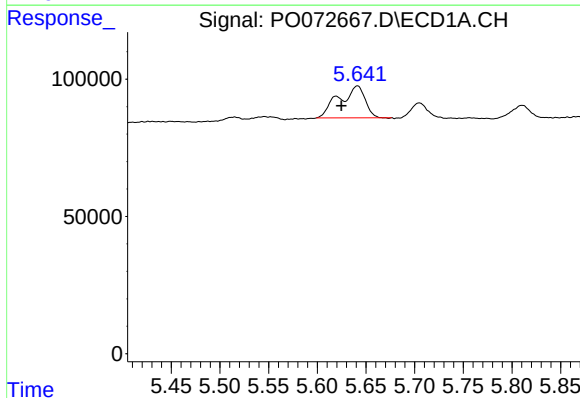
R.T.: 5.908 min  
Delta R.T.: -0.004 min  
Response: 65852  
Conc: 109.82 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2020



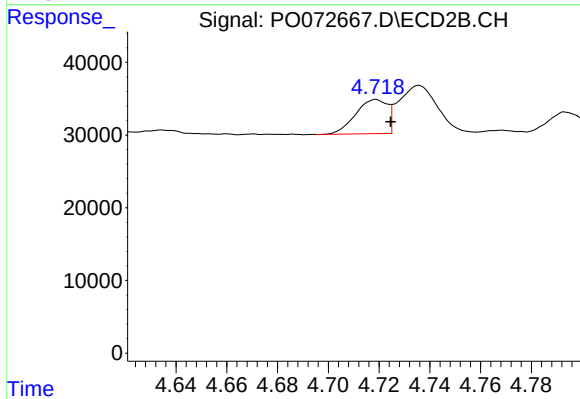
#15 AR-1232-5

R.T.: 5.197 min  
Delta R.T.: -0.007 min  
Response: 37485  
Conc: 73.37 ng/ml



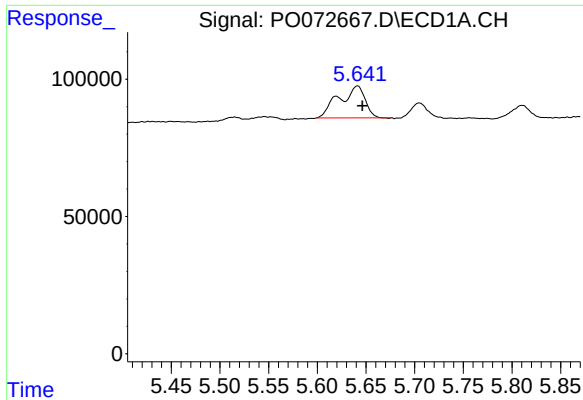
#16 AR-1242-1

R.T.: 5.641 min  
Delta R.T.: 0.016 min  
Response: 217628  
Conc: 89.36 ng/ml



#16 AR-1242-1

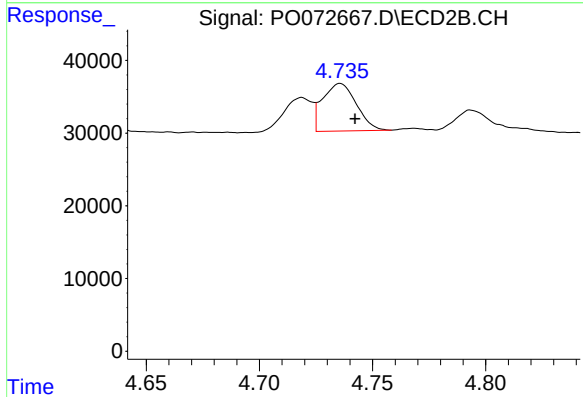
R.T.: 4.719 min  
Delta R.T.: -0.006 min  
Response: 40957  
Conc: 31.69 ng/ml



#17 AR-1242-2

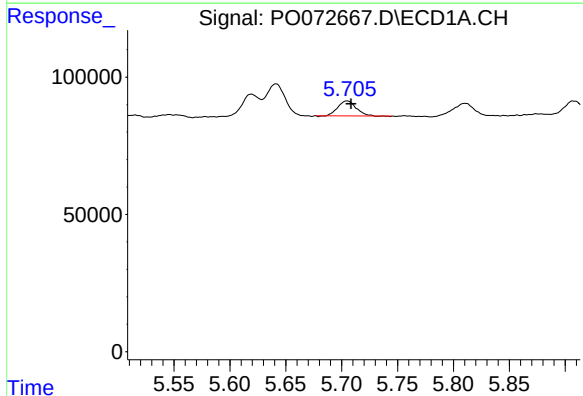
R.T.: 5.641 min  
Delta R.T.: -0.005 min  
Response: 217628  
Conc: 61.83 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2020



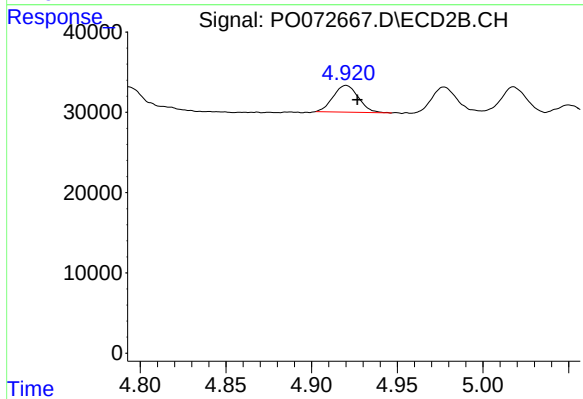
#17 AR-1242-2

R.T.: 4.736 min  
Delta R.T.: -0.006 min  
Response: 67605  
Conc: 36.92 ng/ml



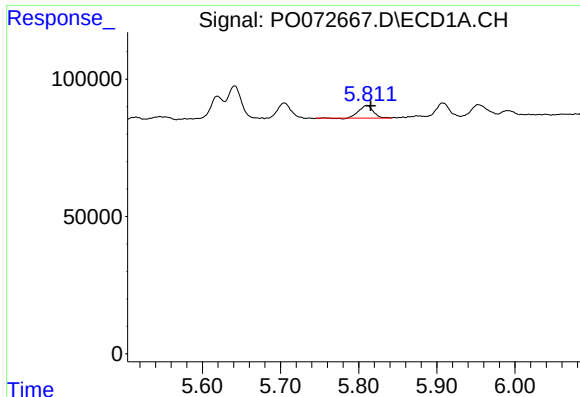
#18 AR-1242-3

R.T.: 5.705 min  
Delta R.T.: -0.004 min  
Response: 62297  
Conc: 30.11 ng/ml



#18 AR-1242-3

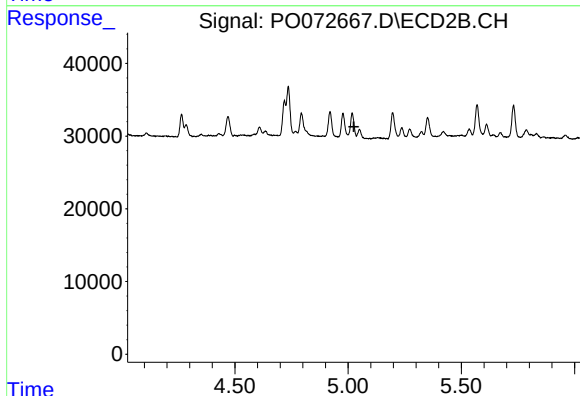
R.T.: 4.920 min  
Delta R.T.: -0.007 min  
Response: 34115  
Conc: 36.24 ng/ml



#19 AR-1242-4

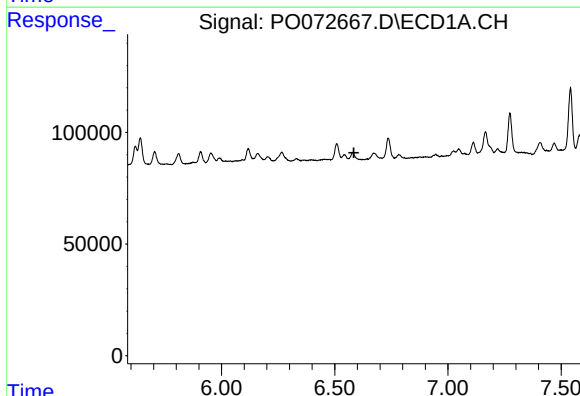
R.T.: 5.810 min  
Delta R.T.: -0.005 min  
Response: 58828  
Conc: 33.93 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2020



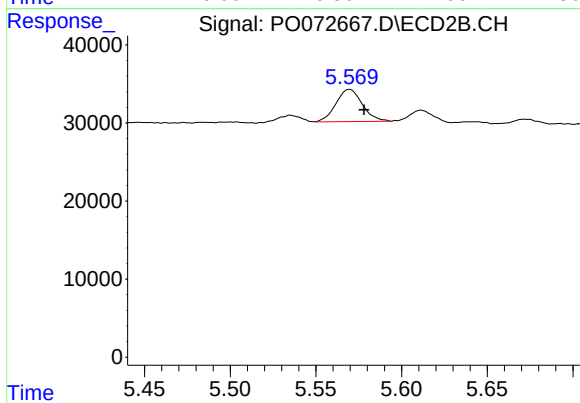
#19 AR-1242-4

R.T.: 0.000 min  
Exp R.T. : 5.026 min  
Response: 0  
Conc: N.D.



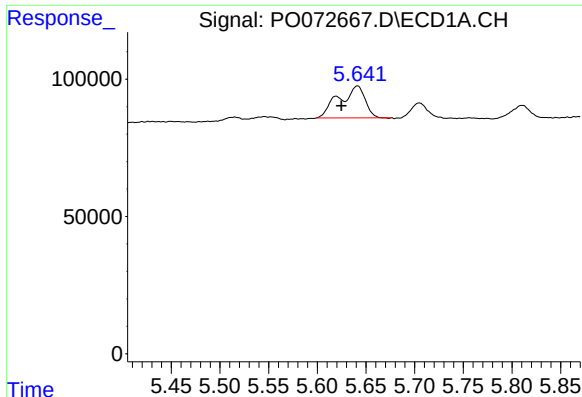
#20 AR-1242-5

R.T.: 0.000 min  
Exp R.T. : 6.585 min  
Response: 0  
Conc: N.D.



#20 AR-1242-5

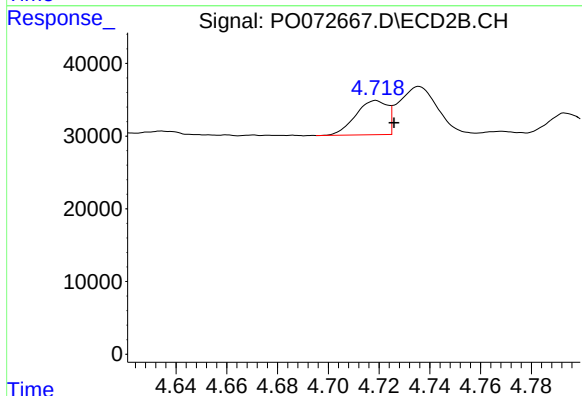
R.T.: 5.570 min  
Delta R.T.: -0.008 min  
Response: 44085  
Conc: 32.11 ng/ml



#21 AR-1248-1

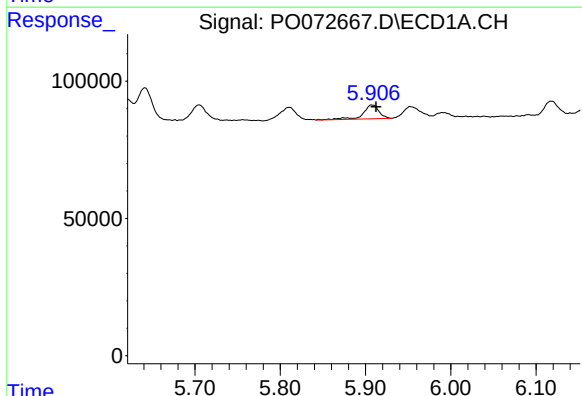
R.T.: 5.641 min  
Delta R.T.: 0.016 min  
Response: 217628  
Conc: 116.41 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2020



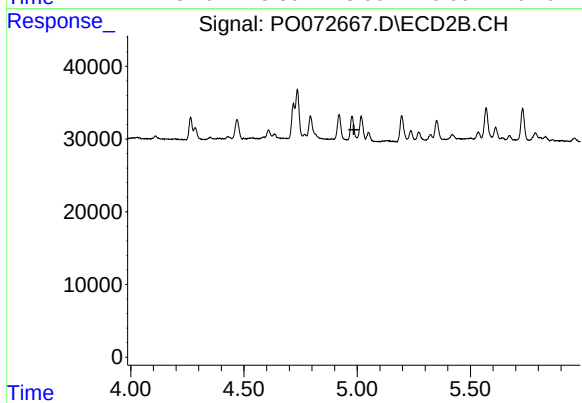
#21 AR-1248-1

R.T.: 4.719 min  
Delta R.T.: -0.007 min  
Response: 40957  
Conc: 40.27 ng/ml



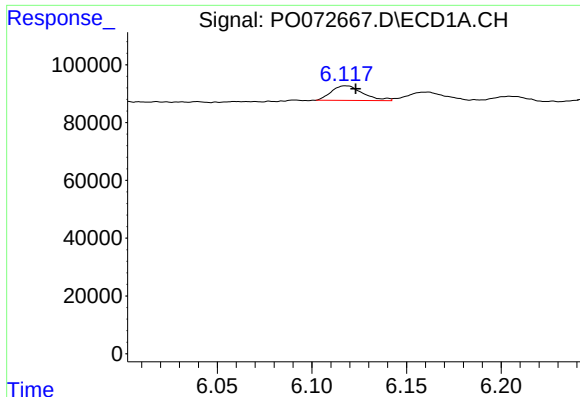
#22 AR-1248-2

R.T.: 5.908 min  
Delta R.T.: -0.005 min  
Response: 65852  
Conc: 26.32 ng/ml



#22 AR-1248-2

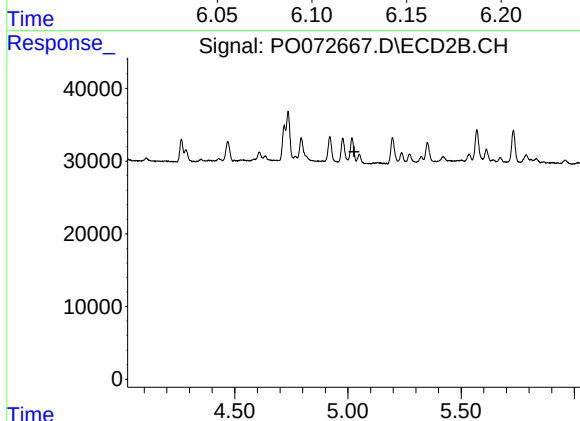
R.T.: 0.000 min  
Exp R.T.: 4.985 min  
Response: 0  
Conc: N.D.



#23 AR-1248-3

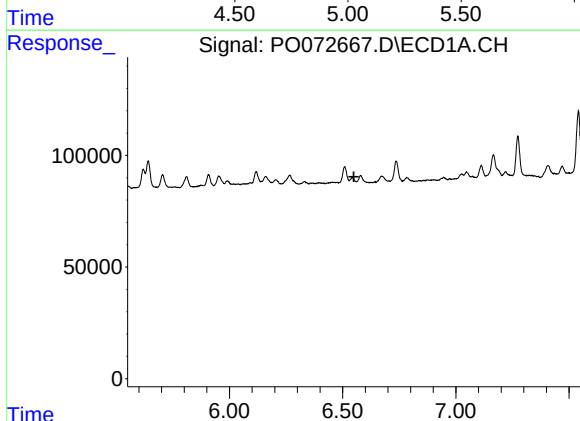
R.T.: 6.118 min  
Delta R.T.: -0.005 min  
Response: 58662  
Conc: 20.25 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2020



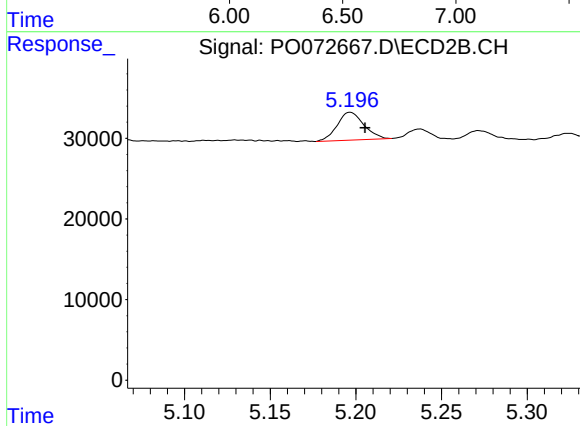
#23 AR-1248-3

R.T.: 0.000 min  
Exp R.T. : 5.027 min  
Response: 0  
Conc: N.D.



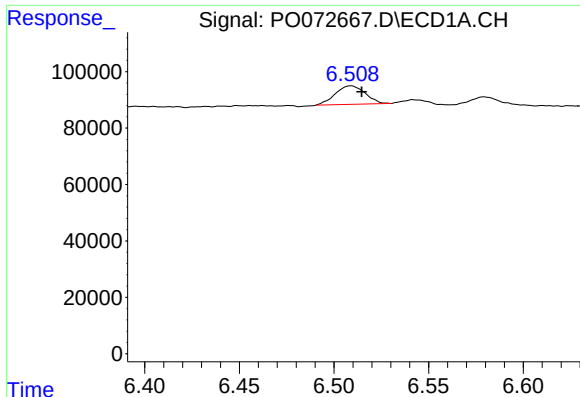
#24 AR-1248-4

R.T.: 0.000 min  
Exp R.T. : 6.550 min  
Response: 0  
Conc: N.D.



#24 AR-1248-4

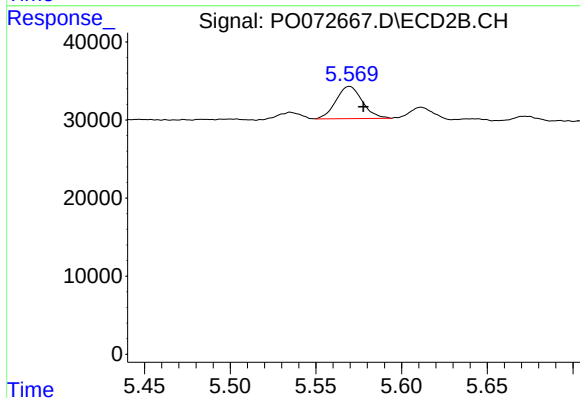
R.T.: 5.197 min  
Delta R.T.: -0.009 min  
Response: 37485  
Conc: 22.32 ng/ml



#26 AR-1254-1

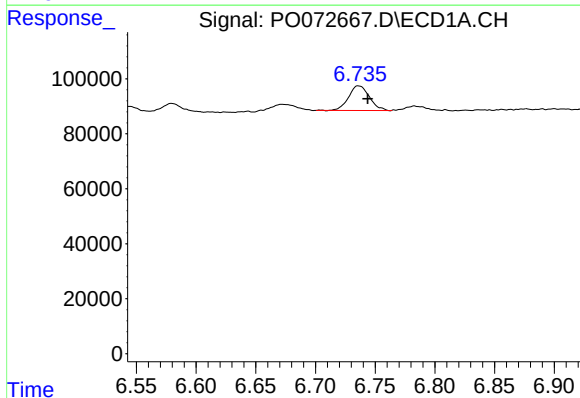
R.T.: 6.509 min  
Delta R.T.: -0.006 min  
Response: 72480  
Conc: 17.16 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2020



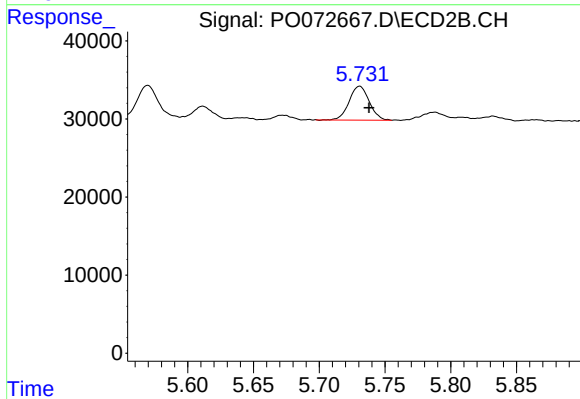
#26 AR-1254-1

R.T.: 5.570 min  
Delta R.T.: -0.008 min  
Response: 44085  
Conc: 15.95 ng/ml



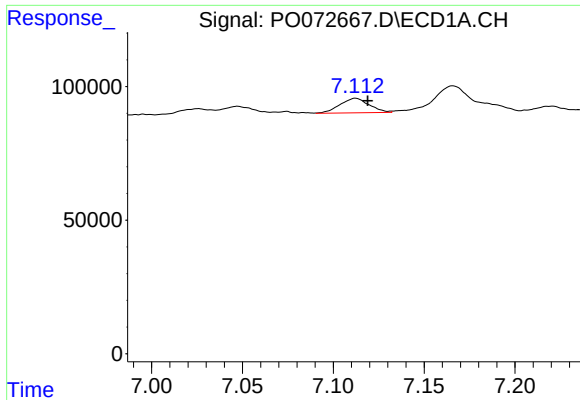
#27 AR-1254-2

R.T.: 6.736 min  
Delta R.T.: -0.007 min  
Response: 108506  
Conc: 16.74 ng/ml



#27 AR-1254-2

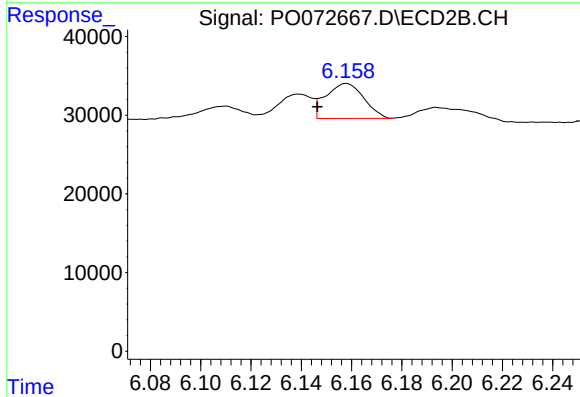
R.T.: 5.731 min  
Delta R.T.: -0.007 min  
Response: 46312  
Conc: 19.05 ng/ml



#28 AR-1254-3

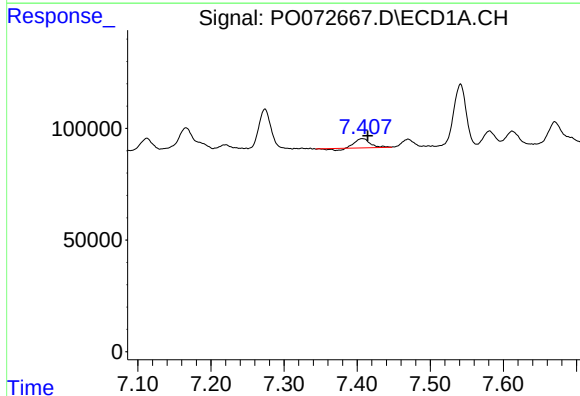
R.T.: 7.112 min  
Delta R.T.: -0.007 min  
Response: 60315  
Conc: 8.87 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2020



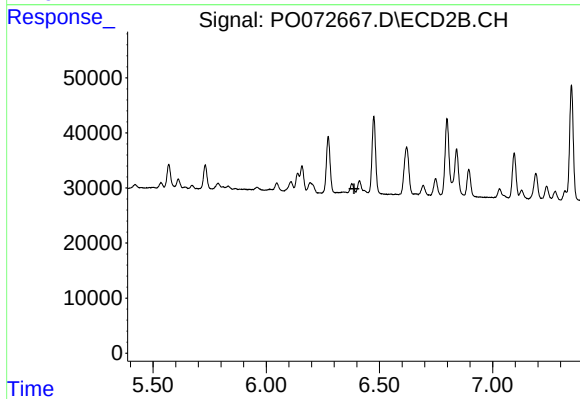
#28 AR-1254-3

R.T.: 6.158 min  
Delta R.T.: 0.011 min  
Response: 46752  
Conc: 12.15 ng/ml



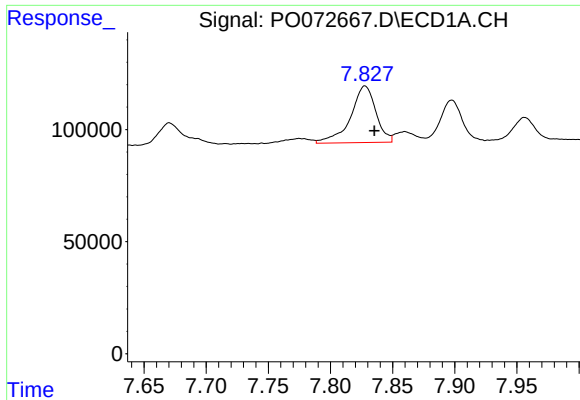
#29 AR-1254-4

R.T.: 7.407 min  
Delta R.T.: -0.007 min  
Response: 53950  
Conc: 8.14 ng/ml



#29 AR-1254-4

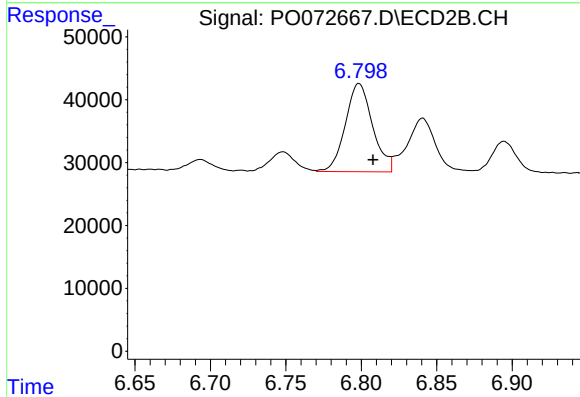
R.T.: 0.000 min  
Exp R.T.: 6.388 min  
Response: 0  
Conc: N.D.



#30 AR-1254-5

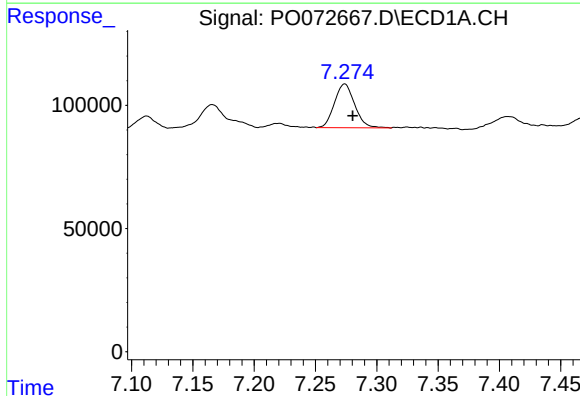
R.T.: 7.828 min  
Delta R.T.: -0.008 min  
Response: 358950  
Conc: 56.04 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2020



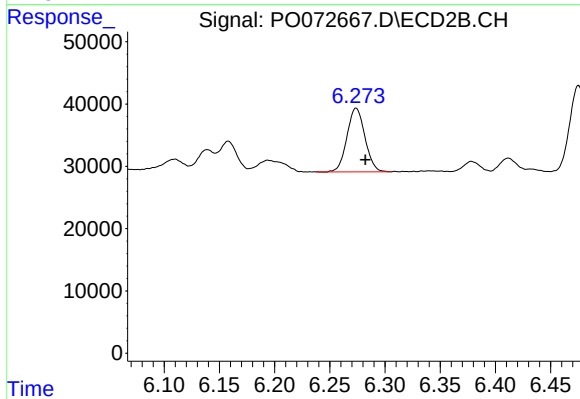
#30 AR-1254-5

R.T.: 6.799 min  
Delta R.T.: -0.009 min  
Response: 176141  
Conc: 48.06 ng/ml



#31 AR-1260-1

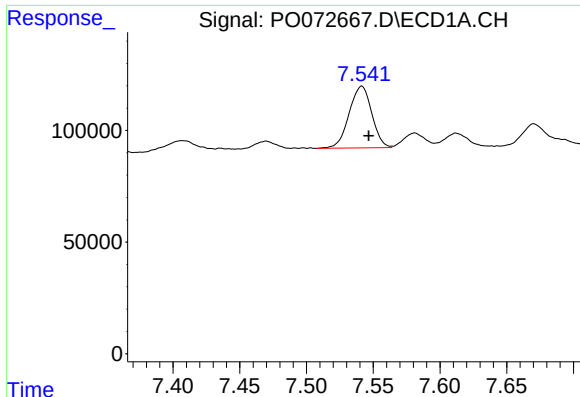
R.T.: 7.274 min  
Delta R.T.: -0.007 min  
Response: 203271  
Conc: 41.71 ng/ml



#31 AR-1260-1

R.T.: 6.274 min  
Delta R.T.: -0.008 min  
Response: 115881  
Conc: 45.30 ng/ml

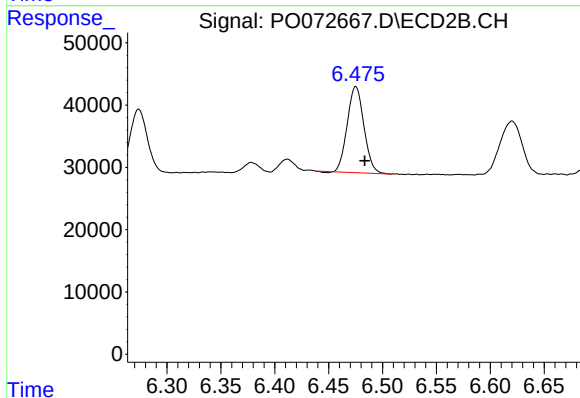




#32 AR-1260-2

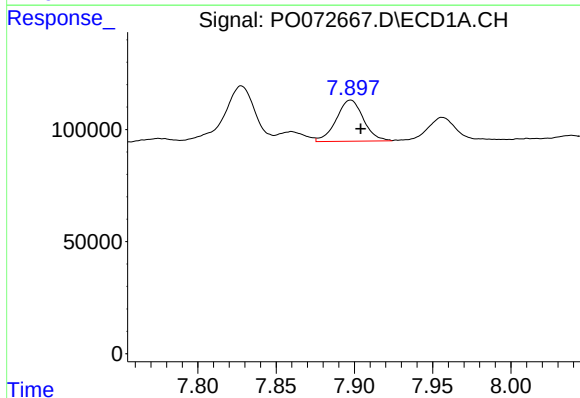
R.T.: 7.541 min  
Delta R.T.: -0.005 min  
Response: 326253  
Conc: 42.52 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2020



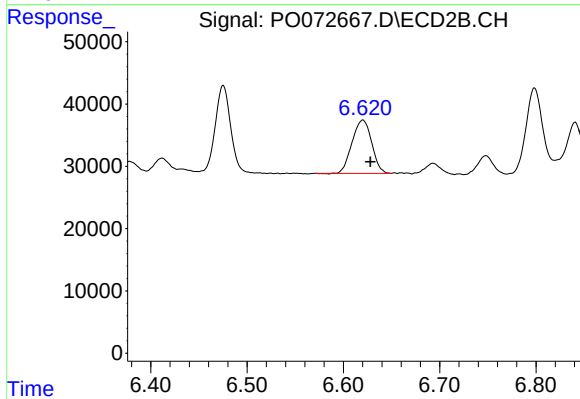
#32 AR-1260-2

R.T.: 6.475 min  
Delta R.T.: -0.008 min  
Response: 148754  
Conc: 46.13 ng/ml



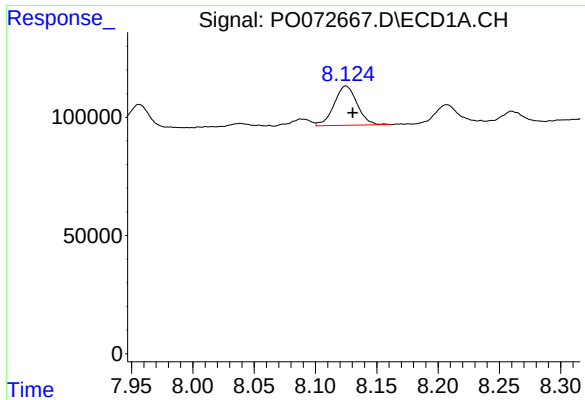
#33 AR-1260-3

R.T.: 7.898 min  
Delta R.T.: -0.006 min  
Response: 222633  
Conc: 34.74 ng/ml



#33 AR-1260-3

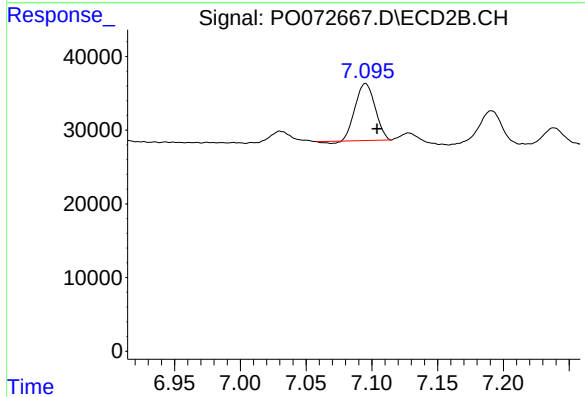
R.T.: 6.620 min  
Delta R.T.: -0.008 min  
Response: 121239  
Conc: 40.40 ng/ml



#34 AR-1260-4

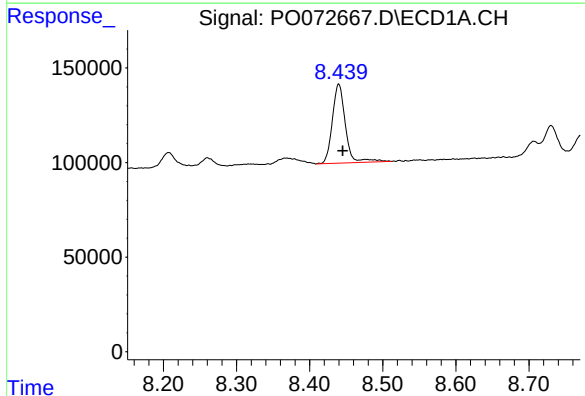
R.T.: 8.125 min  
Delta R.T.: -0.005 min  
Response: 217526  
Conc: 35.74 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2020



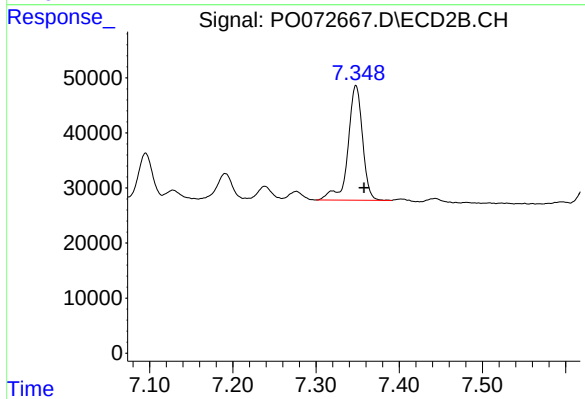
#34 AR-1260-4

R.T.: 7.095 min  
Delta R.T.: -0.009 min  
Response: 80997  
Conc: 30.72 ng/ml



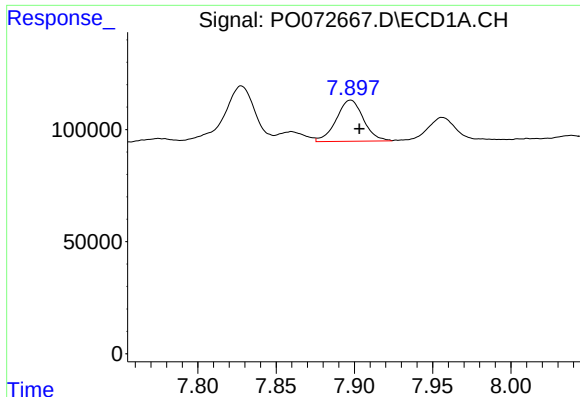
#35 AR-1260-5

R.T.: 8.440 min  
Delta R.T.: -0.006 min  
Response: 519729  
Conc: 35.78 ng/ml



#35 AR-1260-5

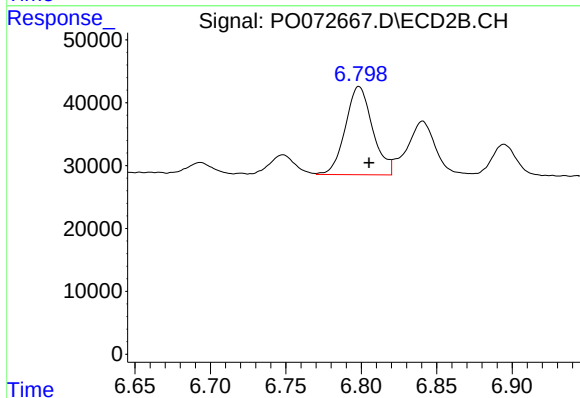
R.T.: 7.348 min  
Delta R.T.: -0.010 min  
Response: 253400  
Conc: 38.79 ng/ml



#36 AR-1262-1

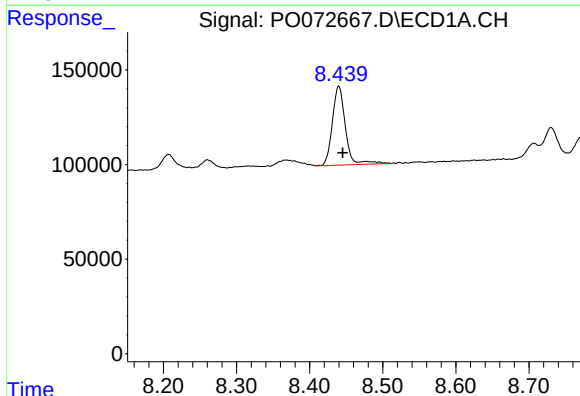
R.T.: 7.898 min  
Delta R.T.: -0.006 min  
Response: 222633  
Conc: 23.48 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2020



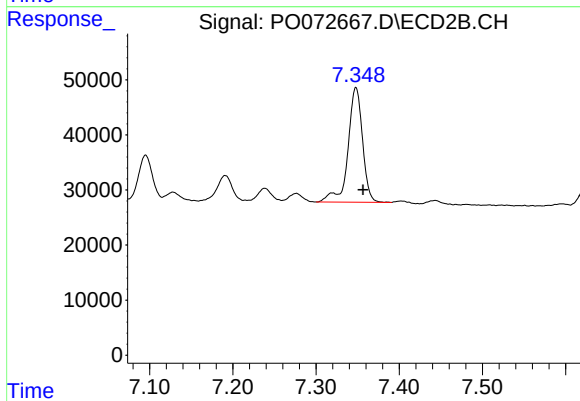
#36 AR-1262-1

R.T.: 6.799 min  
Delta R.T.: -0.007 min  
Response: 176141  
Conc: 92.31 ng/ml



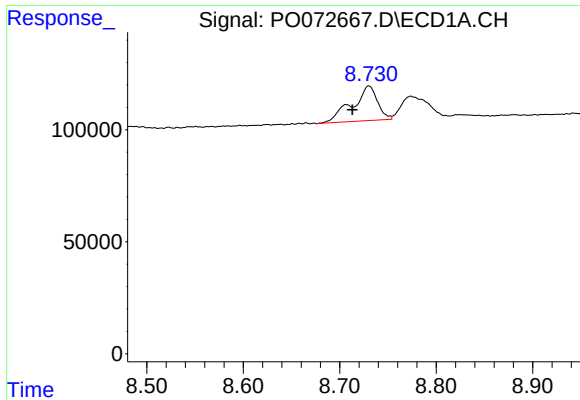
#37 AR-1262-2

R.T.: 8.440 min  
Delta R.T.: -0.006 min  
Response: 519729  
Conc: 32.52 ng/ml



#37 AR-1262-2

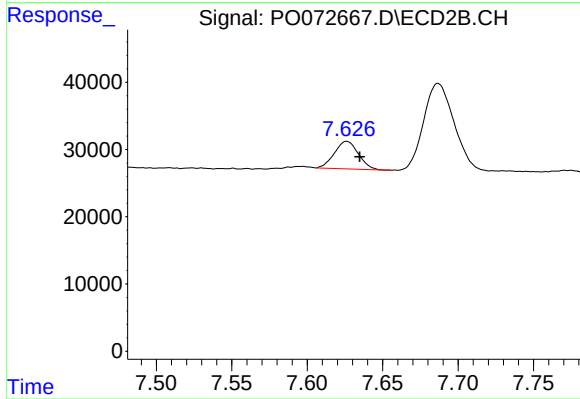
R.T.: 7.348 min  
Delta R.T.: -0.009 min  
Response: 253400  
Conc: 37.94 ng/ml



#38 AR-1262-3

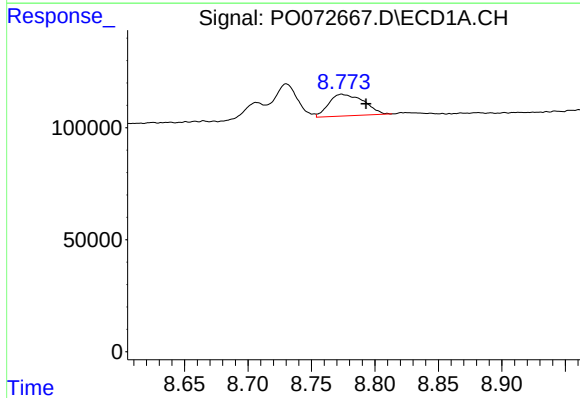
R.T.: 8.730 min  
Delta R.T.: 0.017 min  
Response: 281740  
Conc: 40.32 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2020



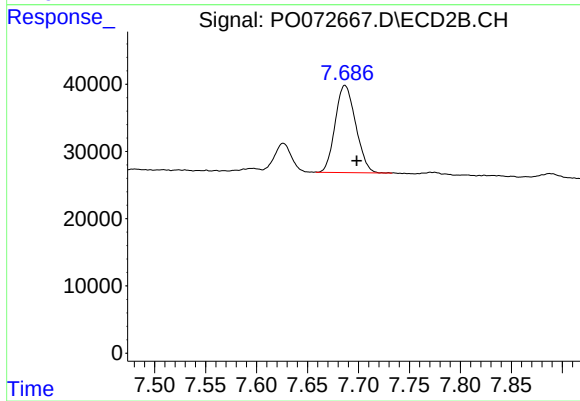
#38 AR-1262-3

R.T.: 7.626 min  
Delta R.T.: -0.009 min  
Response: 45334  
Conc: 15.91 ng/ml



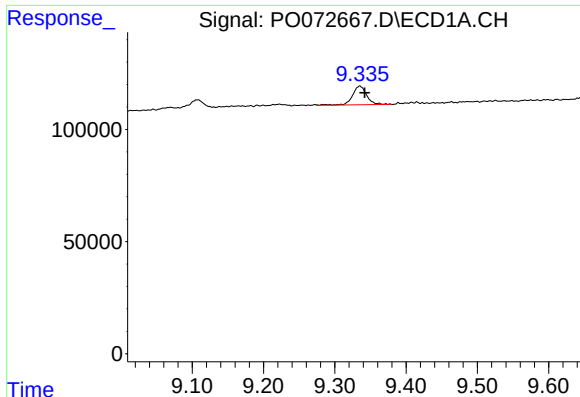
#39 AR-1262-4

R.T.: 8.774 min  
Delta R.T.: -0.019 min  
Response: 185637  
Conc: 46.45 ng/ml



#39 AR-1262-4

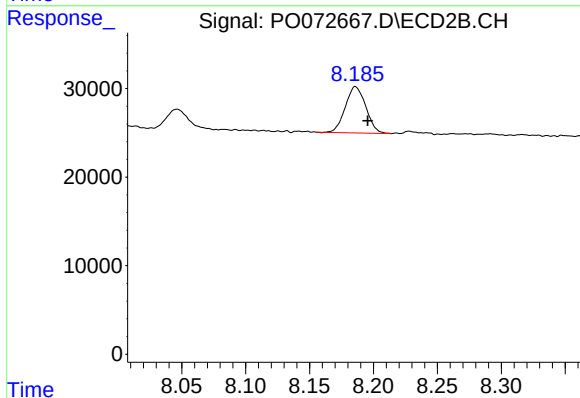
R.T.: 7.687 min  
Delta R.T.: -0.012 min  
Response: 181297  
Conc: 35.18 ng/ml



#40 AR-1262-5

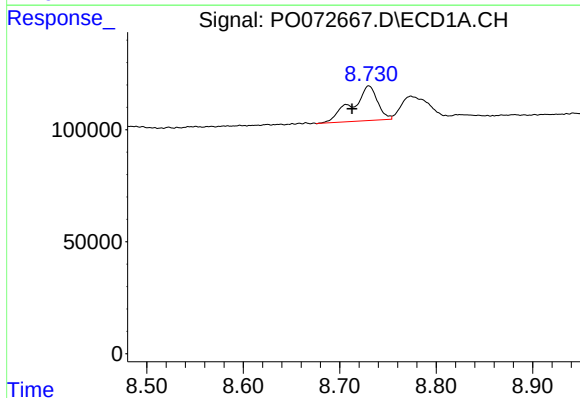
R.T.: 9.335 min  
Delta R.T.: -0.007 min  
Response: 114778  
Conc: 21.58 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2020



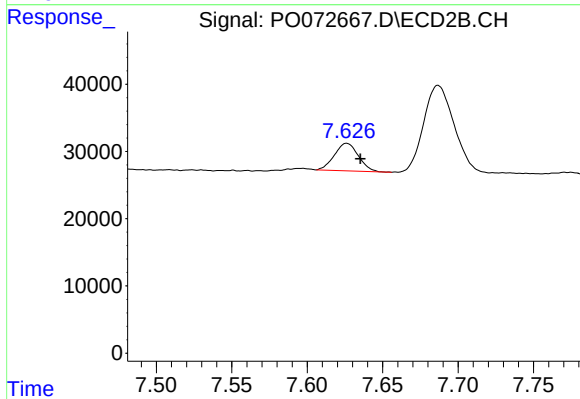
#40 AR-1262-5

R.T.: 8.186 min  
Delta R.T.: -0.010 min  
Response: 58694  
Conc: 23.24 ng/ml



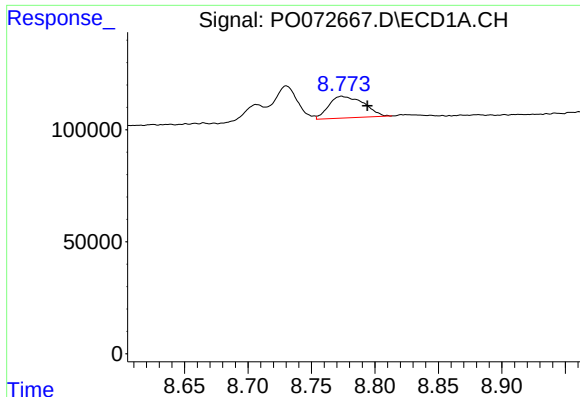
#41 AR-1268-1

R.T.: 8.730 min  
Delta R.T.: 0.018 min  
Response: 281740  
Conc: 14.63 ng/ml



#41 AR-1268-1

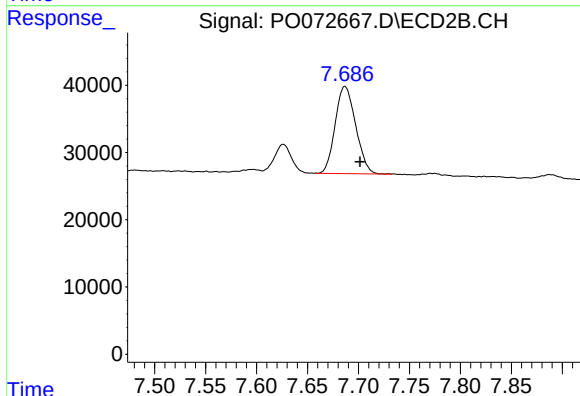
R.T.: 7.626 min  
Delta R.T.: -0.009 min  
Response: 45334  
Conc: 5.72 ng/ml



#42 AR-1268-2

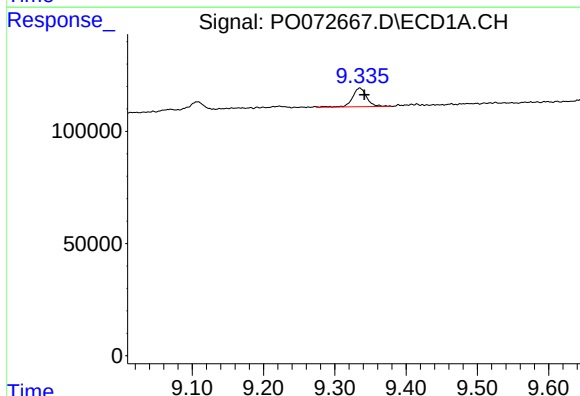
R.T.: 8.774 min  
Delta R.T.: -0.020 min  
Response: 185637  
Conc: 11.24 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2020



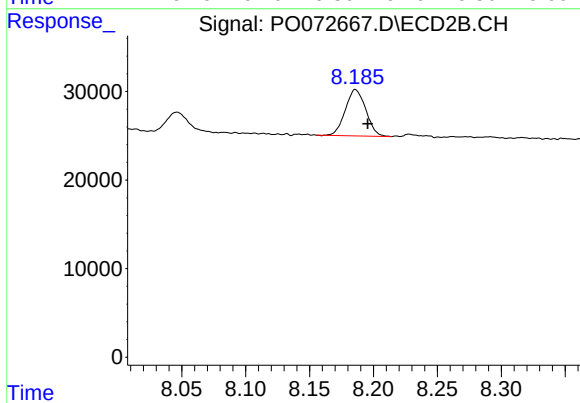
#42 AR-1268-2

R.T.: 7.687 min  
Delta R.T.: -0.015 min  
Response: 181297  
Conc: 24.92 ng/ml



#44 AR-1268-4

R.T.: 9.335 min  
Delta R.T.: -0.006 min  
Response: 114778  
Conc: 19.24 ng/ml



#44 AR-1268-4

R.T.: 8.186 min  
Delta R.T.: -0.010 min  
Response: 58694  
Conc: 20.76 ng/ml