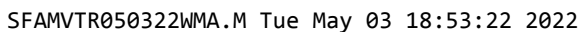


Manual IntegrationsAPPROVED

Quant Time: May 03 12:17:11 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR050322WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue May 03 12:14:39 2022  
Response via : Initial Calibration



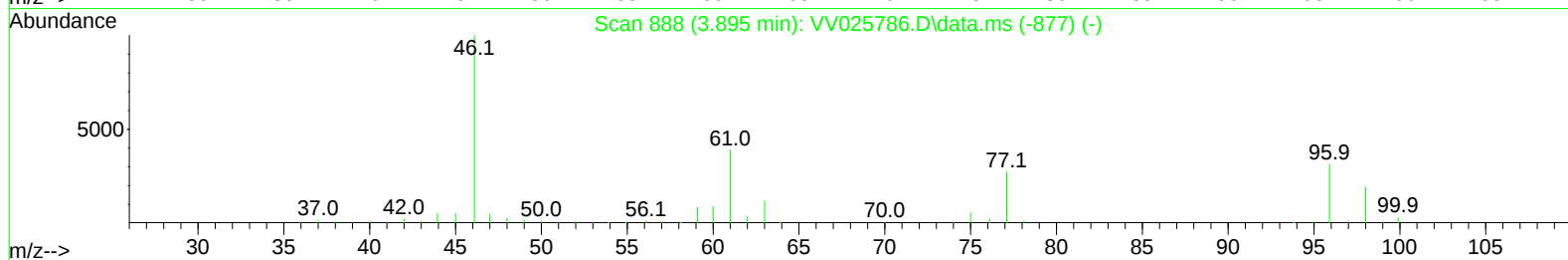
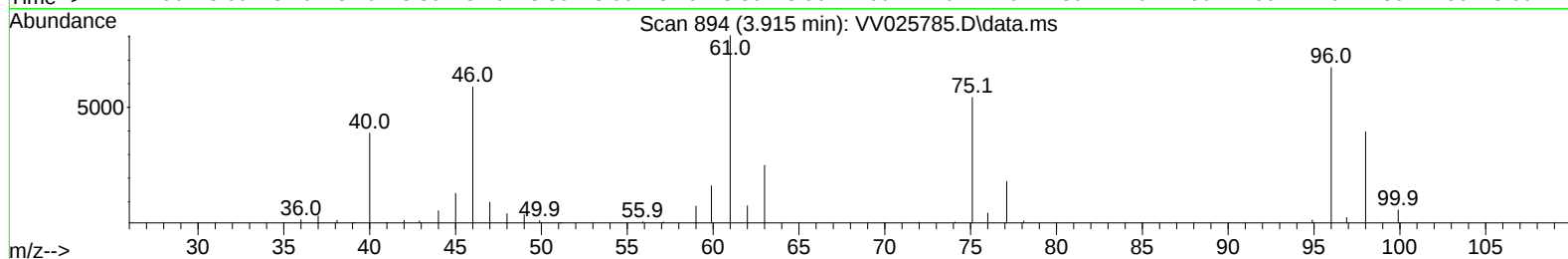
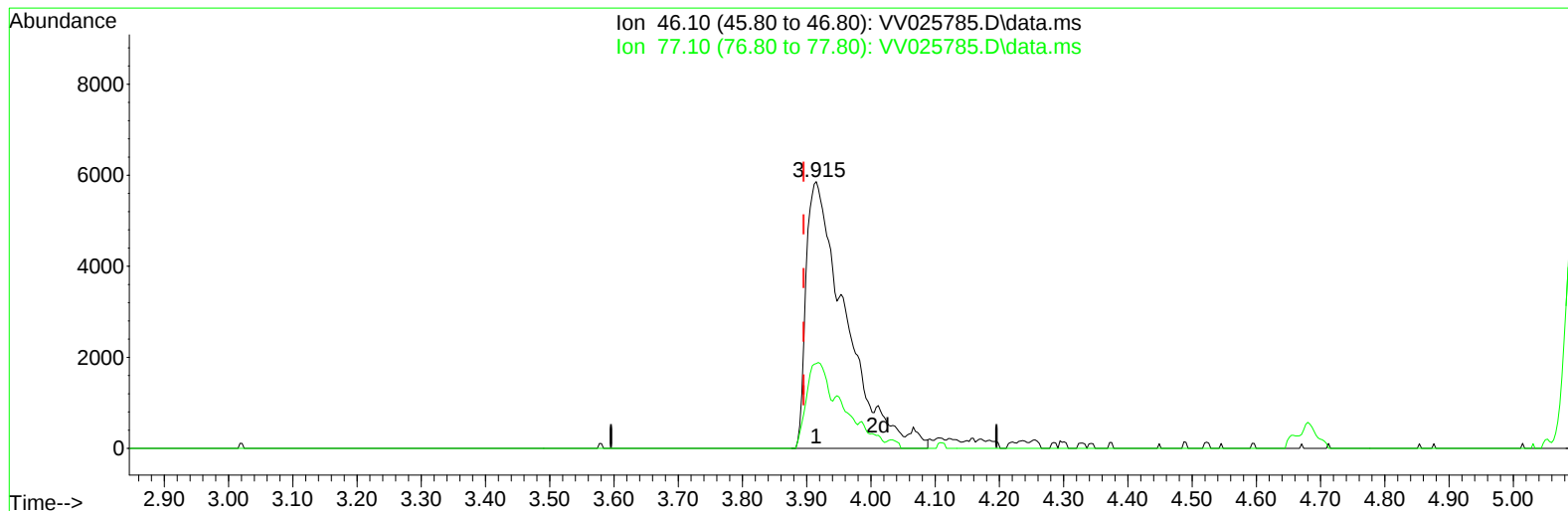
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV050322\  
Data File : VV025785.D  
Acq On : 03 May 2022 11:22  
Operator : SY/MD  
Sample : VSTD00138  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD001238

## Manual IntegrationsAPPROVED

Reviewed By :John Carlone 05/04/2022  
Supervised By :Semsettin Yesilyurt 05/06/2022

Quant Time: May 03 12:17:11 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR050322WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue May 03 12:14:39 2022  
Response via : Initial Calibration



TIC: VV025785.D\data.ms

**(20) 2-Butanone-d5 (S)**

3.915min (+ 0.020) 10.29 ug/L m

response 24953

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.10 | 100.00 | 100.00 |
| 77.10 | 28.70  | 18.07# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

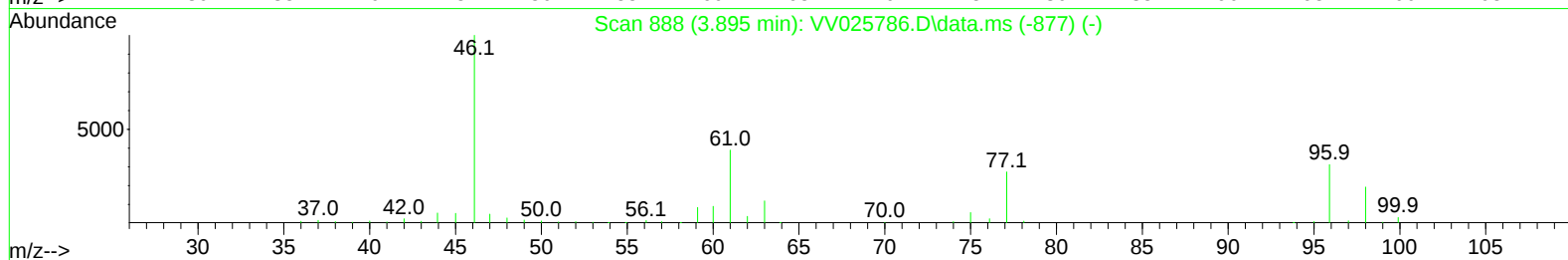
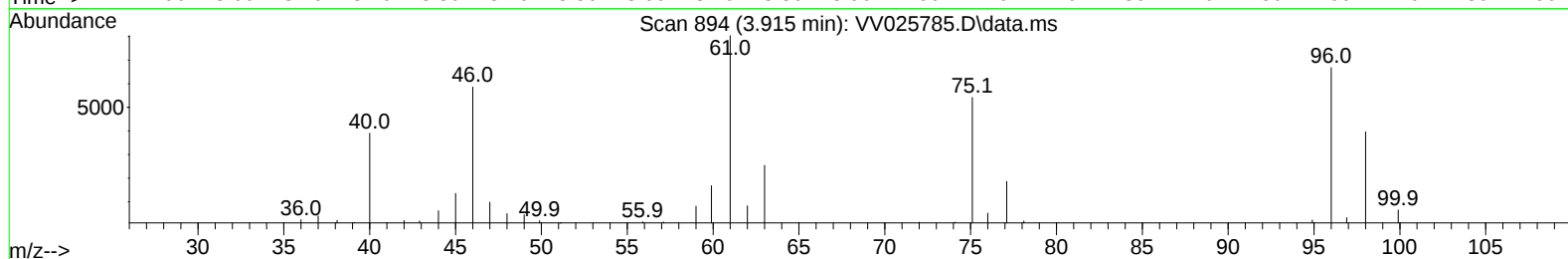
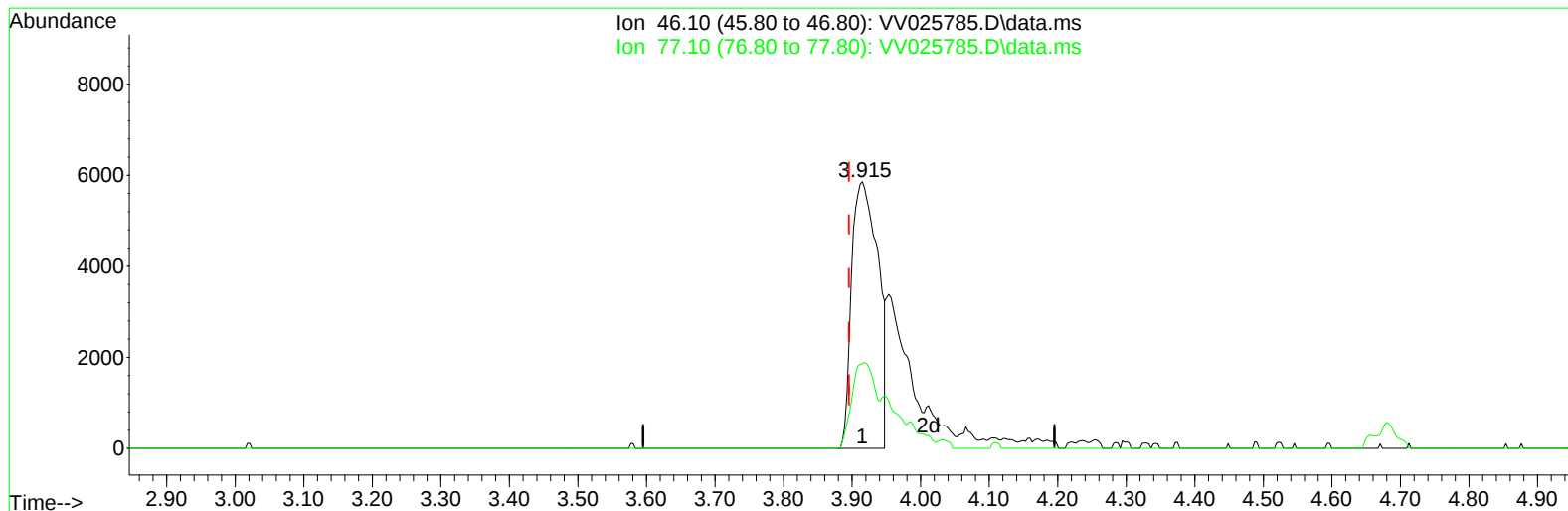
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV050322\  
Data File : VV025785.D  
Acq On : 03 May 2022 11:22  
Operator : SY/MD  
Sample : VSTD00138  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD001238

## Manual IntegrationsAPPROVED

Reviewed By :John Carlone 05/04/2022  
Supervised By :Semsettin Yesilyurt 05/06/2022

Quant Time: May 03 12:17:11 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR050322WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue May 03 12:14:39 2022  
Response via : Initial Calibration



TIC: VV025785.D\data.ms

**(20) 2-Butanone-d5 (S)**

3.915min (+ 0.020) 6.44 ug/L

response 15629

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.10 | 100.00 | 100.00 |
| 77.10 | 28.70  | 28.86  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW050322\  
 Data File : VW025785.D  
 Acq On : 03 May 2022 11:22  
 Operator : SY/MD  
 Sample : VSTD00138  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD001238

Manual IntegrationsAPPROVED

Quant Time: May 03 12:17:11 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR050322WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue May 03 12:14:39 2022  
 Response via : Initial Calibration

Reviewed By :John Carlone 05/04/2022  
 Supervised By :Semsettin Yesilyurt 05/06/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 5.613  | 114  | 198448   | 5.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117  | 201177   | 5.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152  | 101745   | 5.000  | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65   | 20514    | 1.056  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.571  | 69   | 18021    | 0.905  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.111  | 63   | 39812    | 1.040  | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 3.915  | 46   | 24953m   | 10.289 | ug/L   | 0.02     |
| 24) Chloroform-d              | 4.349  | 84   | 30209    | 1.027  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.037  | 65   | 12811    | 1.008  | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.050  | 84   | 57863    | 0.951  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67   | 16789    | 0.982  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.314  | 98   | 50489    | 0.900  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79   | 5224     | 0.923  | ug/L   | 0.00     |
| 46) 2-Hexanone-d5             | 8.092  | 63   | 17128    | 8.315  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84   | 10356    | 0.960  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152  | 15915    | 0.915  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.131  | 85   | 24524    | 1.282  | ug/L   | 99       |
| 3) Chloromethane              | 1.243  | 50   | 28568    | 1.353  | ug/L   | 98       |
| 5) Vinyl chloride             | 1.314  | 62   | 28738    | 1.236  | ug/L   | 99       |
| 6) Bromomethane               | 1.523  | 94   | 15397    | 0.965  | ug/L   | 97       |
| 8) Chloroethane               | 1.587  | 64   | 18923    | 1.085  | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 1.754  | 101  | 39115    | 1.214  | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.121  | 101  | 21524    | 1.197  | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.121  | 96   | 19409    | 1.093  | ug/L   | 86       |
| 13) Acetone                   | 2.185  | 43   | 20641    | 12.814 | ug/L   | 94       |
| 14) Carbon disulfide          | 2.298  | 76   | 49632    | 1.144  | ug/L   | 100      |
| 15) Methyl Acetate            | 2.449  | 43   | 4459     | 1.234  | ug/L   | 90       |
| 16) Methylene chloride        | 2.507  | 84   | 21571    | 1.249  | ug/L   | 93       |
| 17) Methyl tert-butyl Ether   | 2.770  | 73   | 28852    | 1.049  | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 2.761  | 96   | 17038    | 1.132  | ug/L   | 94       |
| 19) 1,1-Dichloroethane        | 3.188  | 63   | 30841    | 1.191  | ug/L   | 96       |
| 21) 2-Butanone                | 3.999  | 43   | 23015    | 10.248 | ug/L   | 76       |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96   | 17103    | 1.090  | ug/L   | 94       |
| 23) Bromochloromethane        | 4.246  | 128  | 7167     | 1.094  | ug/L # | 89       |
| 25) Chloroform                | 4.375  | 83   | 32272    | 1.189  | ug/L   | 95       |
| 27) 1,2-Dichloroethane        | 5.134  | 62   | 16878    | 1.169  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 4.609  | 97   | 27085    | 1.087  | ug/L   | 97       |
| 30) Cyclohexane               | 4.677  | 56   | 23307    | 1.038  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 24229    | 1.154  | ug/L   | 100      |
| 33) Benzene                   | 5.098  | 78   | 67949    | 1.091  | ug/L   | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 17366    | 1.064  | ug/L   | 94       |
| 35) Methylcyclohexane         | 6.130  | 83   | 25859    | 0.989  | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 16103    | 1.106  | ug/L   | 97       |
| 38) Bromodichloromethane      | 6.510  | 83   | 20548    | 1.145  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.031  | 75   | 19092    | 1.022  | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 60329    | 10.251 | ug/L   | 94       |
| 42) Toluene                   | 7.387  | 91   | 67361    | 1.001  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 7.658  | 75   | 14542    | 0.990  | ug/L   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV050322\  
 Data File : VV025785.D  
 Acq On : 03 May 2022 11:22  
 Operator : SY/MD  
 Sample : VSTD00138  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD001238

## Manual IntegrationsAPPROVED

Reviewed By :John Carlone 05/04/2022  
 Supervised By :Semsettin Yesilyurt 05/06/2022

Quant Time: May 03 12:17:11 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR050322WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue May 03 12:14:39 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 10634    | 1.105  | ug/L   | 94       |
| 47) Tetrachloroethene         | 7.973  | 164  | 15437    | 1.203  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.143  | 43   | 43193    | 10.482 | ug/L   | 94       |
| 49) Dibromochloromethane      | 8.246  | 129  | 11201    | 1.064  | ug/L   | 93       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 8862     | 0.998  | ug/L # | 99       |
| 51) Chlorobenzene             | 8.883  | 112  | 46388    | 1.086  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.011  | 91   | 69068    | 0.970  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.140  | 106  | 27094    | 1.001  | ug/L   | 99       |
| 54) o-Xylene                  | 9.542  | 106  | 24592    | 0.935  | ug/L   | 99       |
| 55) Styrene                   | 9.561  | 104  | 39343    | 0.911  | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 10993    | 1.133  | ug/L   | 94       |
| 59) Bromoform                 | 9.731  | 173  | 5043     | 1.148  | ug/L   | 92       |
| 60) Isopropylbenzene          | 9.931  | 105  | 65472    | 1.010  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 8067     | 1.153  | ug/L   | 95       |
| 62) 1,3,5-Trimethylbenzene    | 10.535 | 105  | 26846    | 0.940  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 46947    | 0.906  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.182 | 146  | 32537    | 1.077  | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 11.272 | 146  | 33143    | 1.083  | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 29160    | 1.090  | ug/L   | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 1589     | 1.279  | ug/L # | 78       |
| 69) 1,3,5-Trichlorobenzene    | 12.645 | 180  | 23725    | 1.040  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 17057    | 0.975  | ug/L   | 96       |
| 71) Naphthalene               | 13.503 | 128  | 22056    | 0.865  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 13700    | 0.943  | ug/L   | 99       |
| -----                         |        |      |          |        |        |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed