

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV082222\  
 Data File : VV027476.D  
 Acq On : 22 Aug 2022 18:37  
 Operator : SY/MD  
 Sample : N4252-15MS  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EX9D5MS

Quant Time: Aug 23 03:14:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR081922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Aug 23 03:03:07 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 08/24/2022  
 Supervised By :Semsettin Yesilyurt 08/27/2022

| Compound                      | R.T.   | QIon           | Response | Conc     | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|----------|----------|----------|
| -----                         |        |                |          |          |          |          |
| Internal Standards            |        |                |          |          |          |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114            | 117989   | 5.000    | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117            | 117670   | 5.000    | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152            | 63842    | 5.000    | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |          |          |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65             | 49878    | 5.940    | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =        | 118.800% |          |
| 7) Chloroethane-d5            | 1.564  | 69             | 36911    | 6.006    | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =        | 120.200% |          |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63             | 114782   | 5.862    | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =        | 117.200% |          |
| 20) 2-Butanone-d5             | 3.896  | 46             | 29991m   | 28.698   | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =        | 57.400%  |          |
| 24) Chloroform-d              | 4.346  | 84             | 85332    | 5.082    | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =        | 101.600% |          |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65             | 35682    | 4.912    | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =        | 98.200%  |          |
| 32) Benzene-d6                | 5.050  | 84             | 155873   | 4.782    | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =        | 95.600%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67             | 44273    | 4.672    | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =        | 93.400%  |          |
| 41) Toluene-d8                | 7.313  | 98             | 147252   | 5.004    | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =        | 100.000% |          |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79             | 15057    | 4.641    | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =        | 92.800%  |          |
| 46) 2-Hexanone-d5             | 8.092  | 63             | 53921    | 50.487   | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =        | 100.980% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84             | 31650    | 5.245    | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =        | 104.800% |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152            | 45248    | 4.781    | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =        | 95.600%  |          |
| Target Compounds              |        |                |          |          |          |          |
|                               |        |                |          |          | Qvalue   |          |
| 2) Dichlorodifluoromethane    | 1.127  | 85             | 67610    | 5.400    | ug/L     | 99       |
| 3) Chloromethane              | 1.240  | 50             | 55599    | 5.085    | ug/L     | 100      |
| 5) Vinyl chloride             | 1.307  | 62             | 1762626  | 160.156  | ug/L     | 100      |
| 6) Bromomethane               | 1.519  | 94             | 35805    | 6.579    | ug/L     | 99       |
| 8) Chloroethane               | 1.584  | 64             | 47494    | 7.384    | ug/L     | 95       |
| 9) Trichlorofluoromethane     | 1.751  | 101            | 101171   | 5.786    | ug/L     | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114  | 101            | 57232    | 5.798    | ug/L     | 98       |
| 12) 1,1-Dichloroethene        | 2.118  | 96             | 82255    | 9.214    | ug/L     | 85       |
| 13) Acetone                   | 2.185  | 43             | 45905    | 45.996   | ug/L     | 93       |
| 14) Carbon disulfide          | 2.291  | 76             | 135108   | 5.514    | ug/L     | 100      |
| 15) Methyl Acetate            | 2.439  | 43             | 11958    | 4.327    | ug/L #   | 90       |
| 16) Methylene chloride        | 2.503  | 84             | 54803    | 4.072    | ug/L     | 98       |
| 17) Methyl tert-butyl Ether   | 2.770  | 73             | 99830    | 5.405    | ug/L     | 99       |
| 18) trans-1,2-Dichloroethene  | 2.757  | 96             | 158247   | 17.206   | ug/L     | 98       |
| 19) 1,1-Dichloroethane        | 3.188  | 63             | 121199   | 6.366    | ug/L     | 99       |
| 21) 2-Butanone                | 3.982  | 43             | 62470    | 47.034   | ug/L     | 97       |
| 22) cis-1,2-Dichloroethene    | 3.905  | 96             | 10337744 | 1054.725 | ug/L     | 98       |
| 23) Bromochloromethane        | 4.249  | 128            | 21927    | 5.073    | ug/L     | 89       |
| 25) Chloroform                | 4.375  | 83             | 113698   | 5.492    | ug/L     | 97       |

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 Quant Title : TRACE VOA SFAM1.0  
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 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 08/24/2022  
 Supervised By :Semsettin Yesilyurt 08/27/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.133  | 62   | 56192    | 5.342   | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 4.606  | 97   | 106485   | 5.896   | ug/L   | 97       |
| 30) Cyclohexane               | 4.674  | 56   | 70885    | 5.113   | ug/L   | 97       |
| 31) Carbon tetrachloride      | 4.825  | 117  | 87435    | 5.567   | ug/L   | 95       |
| 33) Benzene                   | 5.098  | 78   | 222078   | 5.676   | ug/L   | 100      |
| 34) Trichloroethene           | 5.912  | 95   | 5755571  | 559.026 | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.130  | 83   | 85280    | 5.889   | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 55789    | 5.349   | ug/L   | 100      |
| 38) Bromodichloromethane      | 6.510  | 83   | 75186    | 5.685   | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 64601    | 5.137   | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 256489   | 55.037  | ug/L   | 97       |
| 42) Toluene                   | 7.384  | 91   | 233952   | 5.793   | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 56969    | 5.358   | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 7.838  | 97   | 39126    | 5.868   | ug/L   | 91       |
| 47) Tetrachloroethene         | 7.976  | 164  | 44737    | 5.578   | ug/L   | 96       |
| 48) 2-Hexanone                | 8.140  | 43   | 186472   | 55.530  | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.246  | 129  | 46315    | 5.648   | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 33542    | 5.763   | ug/L # | 98       |
| 51) Chlorobenzene             | 8.879  | 112  | 143283   | 5.482   | ug/L   | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 223332   | 5.418   | ug/L   | 98       |
| 53) m,p-Xylene                | 9.137  | 106  | 87136    | 5.524   | ug/L   | 98       |
| 54) o-Xylene                  | 9.542  | 106  | 83607    | 5.464   | ug/L   | 98       |
| 55) Styrene                   | 9.561  | 104  | 153094   | 5.881   | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 43945    | 5.851   | ug/L   | 99       |
| 59) Bromoform                 | 9.731  | 173  | 24315    | 5.683   | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.931  | 105  | 234361   | 5.579   | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 30941    | 5.525   | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 59718    | 5.127   | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 169578   | 5.167   | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 112680   | 5.444   | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 111523   | 5.405   | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 102699   | 5.473   | ug/L   | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 6655     | 5.348   | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 82154    | 5.318   | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 58664    | 5.225   | ug/L   | 100      |
| 71) Naphthalene               | 13.500 | 128  | 80470    | 5.192   | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 54971    | 5.513   | ug/L   | 97       |

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

