

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111723\  
 Data File : VW032970.D  
 Acq On : 16 Nov 2023 17:36  
 Operator : SY/MD  
 Sample : VSTD0.510  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD0.5210

Quant Time: Nov 17 00:30:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 17 00:29:50 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/20/2023  
 Supervised By :Semsettin Yesilyurt 11/20/2023

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Difluorobenzene        | 5.535  | 114  | 167138   | 5.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.789  | 117  | 172885   | 5.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152  | 82024    | 5.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 7188     | 0.505 | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.532  | 69   | 6121m    | 0.449 | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.059  | 65   | 3665     | 0.584 | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 3.831  | 46   | 8412m    | 4.440 | ug/L   | 0.03     |
| 24) Chloroform-d              | 4.262  | 84   | 11756    | 0.481 | ug/L   | 0.01     |
| 26) 1,2-Dichloroethane-d4     | 4.963  | 65   | 5336     | 0.494 | ug/L   | 0.02     |
| 32) Benzene-d6                | 4.969  | 84   | 20846    | 0.459 | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.998  | 67   | 6172     | 0.478 | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.249  | 98   | 18168    | 0.425 | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.574  | 79   | 2357     | 0.469 | ug/L   | 0.02     |
| 46) 2-Hexanone-d5             | 8.040  | 63   | 6726m    | 4.011 | ug/L   | 0.01     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156 | 84   | 4719     | 0.496 | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.567 | 152  | 7860     | 0.551 | ug/L   | 0.00     |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.108  | 85   | 9568     | 0.524 | ug/L   | 98       |
| 3) Chloromethane              | 1.217  | 50   | 9608     | 0.529 | ug/L   | 89       |
| 5) Vinyl chloride             | 1.285  | 62   | 8545     | 0.495 | ug/L   | 86       |
| 6) Bromomethane               | 1.487  | 94   | 6682     | 0.543 | ug/L   | 95       |
| 8) Chloroethane               | 1.548  | 64   | 5577     | 0.431 | ug/L   | 92       |
| 9) Trichlorofluoromethane     | 1.715  | 101  | 13809    | 0.516 | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101  | 8335     | 0.549 | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 2.072  | 96   | 7420     | 0.526 | ug/L   | 95       |
| 13) Acetone                   | 2.121  | 43   | 10572    | 6.006 | ug/L   | 94       |
| 14) Carbon disulfide          | 2.243  | 76   | 21241    | 0.521 | ug/L   | 99       |
| 15) Methyl Acetate            | 2.394  | 43   | 1920     | 0.492 | ug/L # | 64       |
| 16) Methylene chloride        | 2.449  | 84   | 10746    | 0.643 | ug/L   | 94       |
| 17) Methyl tert-butyl Ether   | 2.709  | 73   | 11084    | 0.471 | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.699  | 96   | 6941     | 0.517 | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.114  | 63   | 12444    | 0.524 | ug/L   | 92       |
| 21) 2-Butanone                | 3.911  | 43   | 10299m   | 4.869 | ug/L   |          |
| 22) cis-1,2-Dichloroethene    | 3.825  | 96   | 6238     | 0.455 | ug/L   | 92       |
| 23) Bromochloromethane        | 4.159  | 128  | 3082     | 0.490 | ug/L   | 92       |
| 25) Chloroform                | 4.284  | 83   | 13858    | 0.529 | ug/L   | 90       |
| 27) 1,2-Dichloroethane        | 5.053  | 62   | 7098     | 0.509 | ug/L   | 100      |
| 29) 1,1,1-Trichloroethane     | 4.519  | 97   | 12441    | 0.521 | ug/L # | 85       |
| 30) Cyclohexane               | 4.587  | 56   | 8008     | 0.481 | ug/L # | 91       |
| 31) Carbon tetrachloride      | 4.735  | 117  | 9955     | 0.482 | ug/L   | 91       |
| 33) Benzene                   | 5.021  | 78   | 22299    | 0.437 | ug/L   | 100      |
| 34) Trichloroethene           | 5.841  | 95   | 6717     | 0.478 | ug/L   | 91       |
| 35) Methylcyclohexane         | 6.053  | 83   | 8525     | 0.458 | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 6.101  | 63   | 6057     | 0.477 | ug/L # | 93       |
| 38) Bromodichloromethane      | 6.442  | 83   | 8639     | 0.494 | ug/L   | 94       |
| 39) cis-1,3-Dichloropropene   | 6.969  | 75   | 7616     | 0.438 | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone      | 7.165  | 43   | 20050    | 4.005 | ug/L   | 91       |
| 42) Toluene                   | 7.323  | 91   | 23631    | 0.426 | ug/L   | 91       |
| 44) trans-1,3-Dichloropropene | 7.596  | 75   | 5815     | 0.416 | ug/L   | 88       |

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Quant Time: Nov 17 00:30:12 2023  
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 Quant Title : TRACE VOA SFAM1.0  
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Manual Integrations  
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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 1,1,2-Trichloroethane     | 7.773  | 97   | 4239     | 0.464 | ug/L   | 93       |
| 47) Tetrachloroethene         | 7.908  | 164  | 5913     | 0.500 | ug/L   | 87       |
| 48) 2-Hexanone                | 8.091  | 43   | 15590m   | 4.241 | ug/L   |          |
| 49) Dibromochloromethane      | 8.181  | 129  | 5291     | 0.483 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.297  | 107  | 4282     | 0.490 | ug/L # | 99       |
| 51) Chlorobenzene             | 8.818  | 112  | 17915    | 0.481 | ug/L   | 96       |
| 52) Ethylbenzene              | 8.953  | 91   | 23324    | 0.404 | ug/L   | 100      |
| 53) m,p-Xylene                | 9.082  | 106  | 8954     | 0.402 | ug/L   | 98       |
| 54) o-Xylene                  | 9.484  | 106  | 8364     | 0.393 | ug/L   | 100      |
| 55) Styrene                   | 9.506  | 104  | 13341    | 0.364 | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.185 | 83   | 5320     | 0.522 | ug/L # | 97       |
| 59) Bromoform                 | 9.667  | 173  | 2473     | 0.478 | ug/L # | 89       |
| 60) Isopropylbenzene          | 9.869  | 105  | 21712    | 0.427 | ug/L # | 94       |
| 61) 1,2,3-Trichloropropane    | 10.217 | 75   | 3271     | 0.546 | ug/L # | 84       |
| 62) 1,3,5-Trimethylbenzene    | 10.480 | 105  | 17097    | 0.429 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.857 | 105  | 16098    | 0.401 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.123 | 146  | 13340    | 0.494 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 11.213 | 146  | 14323    | 0.520 | ug/L   | 93       |
| 67) 1,2-Dichlorobenzene       | 11.583 | 146  | 11960    | 0.496 | ug/L   | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.371 | 75   | 883      | 0.615 | ug/L # | 73       |
| 69) 1,3,5-Trichlorobenzene    | 12.586 | 180  | 10632    | 0.531 | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene    | 13.204 | 180  | 9018     | 0.555 | ug/L   | 91       |
| 71) Naphthalene               | 13.445 | 128  | 10602    | 0.469 | ug/L # | 93       |
| 72) 1,2,3-Trichlorobenzene    | 13.686 | 180  | 6995     | 0.494 | ug/L   | 98       |

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

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