

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW010722\  
 Data File : VW024302.D  
 Acq On : 07 Jan 2022 10:42  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005292

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/10/2022  
 Supervised By : Mahesh Dadoda 01/10/2022

Quant Time: Jan 08 00:04:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR010422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Jan 04 18:34:35 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|---------|----------|
| -----                         |        |                |          |        |         |          |
| Internal Standards            |        |                |          |        |         |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114            | 116309   | 5.000  | ug/L    | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117            | 114674   | 5.000  | ug/L    | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152            | 69649    | 5.000  | ug/L    | 0.00     |
|                               |        |                |          |        |         |          |
| System Monitoring Compounds   |        |                |          |        |         |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65             | 36108    | 3.822  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 76.400% |          |
| 7) Chloroethane-d5            | 1.567  | 69             | 30483    | 4.105  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 82.200% |          |
| 11) 1,1-Dichloroethene-d2     | 2.111  | 63             | 80481    | 4.344  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 86.800% |          |
| 20) 2-Butanone-d5             | 3.908  | 46             | 54198m   | 44.137 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 88.280% |          |
| 24) Chloroform-d              | 4.349  | 84             | 79795    | 4.509  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 90.200% |          |
| 26) 1,2-Dichloroethane-d4     | 5.030  | 65             | 36502    | 4.360  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 87.200% |          |
| 32) Benzene-d6                | 5.050  | 84             | 140060   | 4.360  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 87.200% |          |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67             | 35837    | 4.292  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 85.800% |          |
| 41) Toluene-d8                | 7.313  | 98             | 139247   | 4.364  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 87.200% |          |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79             | 16915    | 4.423  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 88.400% |          |
| 46) 2-Hexanone-d5             | 8.091  | 63             | 56630    | 47.386 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 94.780% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84             | 26939    | 4.434  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 88.600% |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152            | 54504    | 4.505  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 90.200% |          |
|                               |        |                |          |        |         |          |
| Target Compounds              | Qvalue |                |          |        |         |          |
| 2) Dichlorodifluoromethane    | 1.130  | 85             | 76317    | 5.224  | ug/L    | 100      |
| 3) Chloromethane              | 1.243  | 50             | 49819    | 5.101  | ug/L    | 97       |
| 5) Vinyl chloride             | 1.310  | 62             | 56271    | 5.228  | ug/L    | 98       |
| 6) Bromomethane               | 1.523  | 94             | 37384    | 5.244  | ug/L    | 97       |
| 8) Chloroethane               | 1.587  | 64             | 36424    | 5.380  | ug/L    | 94       |
| 9) Trichlorofluoromethane     | 1.754  | 101            | 114798   | 5.384  | ug/L    | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117  | 101            | 58562    | 5.448  | ug/L    | 97       |
| 12) 1,1-Dichloroethene        | 2.121  | 96             | 50314    | 5.477  | ug/L    | 93       |
| 13) Acetone                   | 2.198  | 43             | 61851m   | 52.381 | ug/L    |          |
| 14) Carbon disulfide          | 2.294  | 76             | 109766   | 5.083  | ug/L    | 100      |
| 15) Methyl Acetate            | 2.445  | 43             | 15995    | 6.454  | ug/L    | 90       |
| 16) Methylene chloride        | 2.506  | 84             | 51703    | 3.673  | ug/L    | 96       |
| 17) Methyl tert-butyl Ether   | 2.770  | 73             | 118380   | 5.366  | ug/L    | 97       |
| 18) trans-1,2-Dichloroethene  | 2.760  | 96             | 52078    | 5.324  | ug/L    | 99       |
| 19) 1,1-Dichloroethane        | 3.188  | 63             | 94173    | 5.426  | ug/L    | 99       |
| 21) 2-Butanone                | 3.995  | 43             | 74881    | 46.767 | ug/L    | 92       |
| 22) cis-1,2-Dichloroethene    | 3.911  | 96             | 58161    | 5.417  | ug/L    | 96       |
| 23) Bromochloromethane        | 4.246  | 128            | 27006    | 5.658  | ug/L    | 91       |
| 25) Chloroform                | 4.374  | 83             | 110793   | 5.336  | ug/L    | 98       |

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 Acq On : 07 Jan 2022 10:42  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005292

Quant Time: Jan 08 00:04:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR010422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Jan 04 18:34:35 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/10/2022  
 Supervised By : Mahesh Dadoda 01/10/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 60261    | 5.238  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 4.606  | 97   | 108642   | 5.536  | ug/L  | 98       |
| 30) Cyclohexane               | 4.677  | 56   | 69110    | 5.585  | ug/L  | 95       |
| 31) Carbon tetrachloride      | 4.825  | 117  | 98386    | 5.497  | ug/L  | 99       |
| 33) Benzene                   | 5.098  | 78   | 210554   | 5.571  | ug/L  | 100      |
| 34) Trichloroethene           | 5.911  | 95   | 58877    | 5.566  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.130  | 83   | 82523    | 5.592  | ug/L  | 96       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 48417    | 5.520  | ug/L  | 98       |
| 38) Bromodichloromethane      | 6.506  | 83   | 77213    | 5.582  | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 76549    | 5.727  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.226  | 43   | 266432   | 59.350 | ug/L  | 97       |
| 42) Toluene                   | 7.384  | 91   | 249044   | 5.723  | ug/L  | 96       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 70416    | 5.853  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.837  | 97   | 40352    | 5.655  | ug/L  | 98       |
| 47) Tetrachloroethene         | 7.972  | 164  | 55251    | 5.599  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.140  | 43   | 190561   | 57.536 | ug/L  | 96       |
| 49) Dibromochloromethane      | 8.246  | 129  | 55855    | 5.689  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 36847    | 5.695  | ug/L  | 95       |
| 51) Chlorobenzene             | 8.879  | 112  | 169608   | 5.644  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.011  | 91   | 274337   | 5.743  | ug/L  | 99       |
| 53) m,p-xylene                | 9.136  | 106  | 111256   | 5.817  | ug/L  | 98       |
| 54) o-xylene                  | 9.541  | 106  | 107230   | 5.734  | ug/L  | 98       |
| 55) Styrene                   | 9.558  | 104  | 189074   | 5.983  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 41158    | 5.679  | ug/L  | 97       |
| 59) Bromoform                 | 9.728  | 173  | 31198    | 5.370  | ug/L  | 97       |
| 60) Isopropylbenzene          | 9.931  | 105  | 298587   | 5.812  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 31651    | 5.618  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 253815   | 5.761  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 261418   | 5.826  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 154720   | 5.674  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 151604   | 5.569  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 138450   | 5.610  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 6778     | 5.490  | ug/L  | 91       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 122848   | 5.442  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 94738    | 5.342  | ug/L  | 96       |
| 71) Naphthalene               | 13.503 | 128  | 132013   | 5.331  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 86092    | 5.632  | ug/L  | 98       |

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

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 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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### Manual Integrations APPROVED

Reviewed By : John Carlone 01/10/2022  
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Quant Time: Jan 08 00:04:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR010422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
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