

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW030822\  
 Data File : VW024879.D  
 Acq On : 09 Mar 2022 11:06  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005327

Manual Integrations  
 APPROVED

Reviewed By :John  
 Carlone

03/11/2022  
 Supervised By :Mahesh  
 Dadoda

Quant Time: Mar 10 04:47:10 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR021722WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Mar 09 05:01:56 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.613  | 114  | 230270   | 5.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.847  | 117  | 208984   | 5.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.246 | 152  | 100934   | 5.000 | ug/L  | 0.00     |

## System Monitoring Compounds

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 66995    | 3.430    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =    | 68.600%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 63078    | 3.937    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =    | 78.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 122939   | 3.435    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =    | 68.600%  |
| 20) 2-Butanone-d5             | 3.905  | 46    | 138434   | 49.621   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =    | 99.240%  |
| 24) Chloroform-d              | 4.346  | 84    | 146910   | 4.820    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 96.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65    | 63984    | 4.710    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 94.200%  |
| 32) Benzene-d6                | 5.043  | 84    | 278574   | 4.621    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 92.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 86891    | 4.897    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =    | 98.000%  |
| 41) Toluene-d8                | 7.310  | 98    | 231562   | 4.227    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 84.600%  |
| 43) trans-1,3-Dichloroprop... | 7.619  | 79    | 29548    | 4.999    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =    | 100.000% |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 126358   | 54.331   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =    | 108.660% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 54945    | 5.138    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =    | 102.800% |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 76636    | 4.388    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =    | 87.800%  |

## Target Compounds

|                               |       |     |        |        |      | Qvalue |
|-------------------------------|-------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.130 | 85  | 99842  | 4.446  | ug/L | 98     |
| 3) Chloromethane              | 1.240 | 50  | 90539  | 4.037  | ug/L | 99     |
| 5) Vinyl chloride             | 1.310 | 62  | 101442 | 4.120  | ug/L | 97     |
| 6) Bromomethane               | 1.523 | 94  | 61760  | 4.199  | ug/L | 99     |
| 8) Chloroethane               | 1.584 | 64  | 61399  | 4.048  | ug/L | 98     |
| 9) Trichlorofluoromethane     | 1.751 | 101 | 140883 | 4.358  | ug/L | 98     |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114 | 101 | 80045  | 4.265  | ug/L | 98     |
| 12) 1,1-Dichloroethene        | 2.117 | 96  | 73524  | 4.100  | ug/L | 91     |
| 13) Acetone                   | 2.201 | 43  | 82548m | 41.958 | ug/L |        |
| 14) Carbon disulfide          | 2.291 | 76  | 228183 | 4.534  | ug/L | 99     |
| 15) Methyl Acetate            | 2.445 | 43  | 25286  | 4.909  | ug/L | 95     |
| 16) Methylene chloride        | 2.503 | 84  | 89304  | 5.058  | ug/L | 96     |
| 17) Methyl tert-butyl Ether   | 2.767 | 73  | 172283 | 4.887  | ug/L | 97     |
| 18) trans-1,2-Dichloroethene  | 2.757 | 96  | 84412  | 4.820  | ug/L | 98     |
| 19) 1,1-Dichloroethane        | 3.185 | 63  | 156820 | 4.890  | ug/L | 100    |
| 21) 2-Butanone                | 3.995 | 43  | 152551 | 50.177 | ug/L | 96     |
| 22) cis-1,2-Dichloroethene    | 3.905 | 96  | 92940  | 5.020  | ug/L | 90     |
| 23) Bromochloromethane        | 4.243 | 128 | 35475  | 4.958  | ug/L | 94     |
| 25) Chloroform                | 4.371 | 83  | 163267 | 4.873  | ug/L | 99     |

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 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005327

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Quant Time: Mar 10 04:47:10 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR021722WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Mar 09 05:01:56 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 81183    | 4.540  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 4.603  | 97   | 140427   | 5.007  | ug/L  | 98       |
| 30) Cyclohexane               | 4.670  | 56   | 133059   | 4.677  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 4.822  | 117  | 116967   | 4.960  | ug/L  | 98       |
| 33) Benzene                   | 5.095  | 78   | 352859   | 4.987  | ug/L  | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 94555    | 5.045  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.127  | 83   | 146093   | 4.824  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 85426    | 5.110  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.506  | 83   | 107425   | 5.105  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 118851   | 5.126  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 387912   | 48.782 | ug/L  | 97       |
| 42) Toluene                   | 7.381  | 91   | 369447   | 4.904  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 94187    | 5.084  | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 56911    | 5.233  | ug/L  | 98       |
| 47) Tetrachloroethene         | 7.969  | 164  | 63426    | 4.969  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.137  | 43   | 273233   | 48.870 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.243  | 129  | 64568    | 5.350  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 50983    | 5.138  | ug/L  | 98       |
| 51) Chlorobenzene             | 8.876  | 112  | 234027   | 4.966  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.008  | 91   | 405748   | 4.935  | ug/L  | 100      |
| 53) m,p-xylene                | 9.133  | 106  | 155750   | 5.011  | ug/L  | 99       |
| 54) o-xylene                  | 9.538  | 106  | 151210   | 4.979  | ug/L  | 100      |
| 55) Styrene                   | 9.558  | 104  | 255311   | 5.168  | ug/L  | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 54991    | 4.781  | ug/L  | 99       |
| 59) Bromoform                 | 9.728  | 173  | 27317    | 5.346  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.927  | 105  | 408449   | 4.892  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 44476    | 4.862  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.535 | 105  | 341664   | 4.909  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 342580   | 4.959  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 173017   | 4.914  | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 11.268 | 146  | 173328   | 4.929  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.638 | 146  | 155789   | 5.016  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 8129     | 5.198  | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 124915   | 5.003  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 98300    | 4.997  | ug/L  | 100      |
| 71) Naphthalene               | 13.500 | 128  | 164196   | 4.908  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 82414    | 5.006  | ug/L  | 99       |

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

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