

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW040422\  
 Data File : VW025343.D  
 Acq On : 04 Apr 2022 11:13  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005364

Quant Time: Apr 05 01:19:10 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032622WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Apr 02 00:37:35 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.613  | 114   | 136669   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 130938   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 67259    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 54066    | 4.235    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 84.800%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 48246    | 4.503    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 90.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.111  | 63    | 118373   | 4.281    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 85.600%  |
| 20) 2-Butanone-d5             | 3.905  | 46    | 60252    | 47.381   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 94.760%  |
| 24) Chloroform-d              | 4.346  | 84    | 80253    | 4.817    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.031  | 65    | 33929    | 4.607    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.200%  |
| 32) Benzene-d6                | 5.047  | 84    | 149182   | 4.503    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 43488    | 4.684    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 93.600%  |
| 41) Toluene-d8                | 7.313  | 98    | 135329   | 4.454    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.000%  |
| 43) trans-1,3-Dichloroprop... | 7.619  | 79    | 14072    | 4.646    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 93.000%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 49691    | 45.429   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 90.860%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 29685    | 4.796    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 96.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 47571    | 4.404    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 88.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.130  | 85    | 66238    | 4.852    | ug/L   | 98       |
| 3) Chloromethane              | 1.243  | 50    | 75355    | 4.680    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.311  | 62    | 82755    | 4.602    | ug/L   | 97       |
| 6) Bromomethane               | 1.523  | 94    | 52731    | 4.940    | ug/L   | 99       |
| 8) Chloroethane               | 1.587  | 64    | 55342    | 4.904    | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.754  | 101   | 124799   | 5.134    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.118  | 101   | 71963    | 4.984    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.118  | 96    | 69594    | 5.058    | ug/L   | 97       |
| 13) Acetone                   | 2.198  | 43    | 50209    | 51.743   | ug/L   | 82       |
| 14) Carbon disulfide          | 2.294  | 76    | 146988   | 5.157    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.439  | 43    | 9834     | 4.452    | ug/L # | 89       |
| 16) Methylene chloride        | 2.507  | 84    | 50877    | 4.709    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73    | 87579    | 5.031    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 2.757  | 96    | 50845    | 5.148    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.188  | 63    | 84550    | 5.128    | ug/L   | 99       |
| 21) 2-Butanone                | 3.989  | 43    | 70976    | 53.157   | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 3.908  | 96    | 51620    | 5.145    | ug/L   | 91       |
| 23) Bromochloromethane        | 4.246  | 128   | 22321    | 5.333    | ug/L   | 98       |
| 25) Chloroform                | 4.371  | 83    | 94835    | 5.184    | ug/L   | 99       |

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

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005364

Quant Time: Apr 05 01:19:10 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032622WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Apr 02 00:37:35 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 48104    | 5.092  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 4.603  | 97   | 84394    | 5.331  | ug/L   | 99       |
| 30) Cyclohexane               | 4.674  | 56   | 66891    | 4.724  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.825  | 117  | 72949    | 5.323  | ug/L   | 99       |
| 33) Benzene                   | 5.095  | 78   | 197802   | 5.150  | ug/L   | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 53166    | 5.041  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.127  | 83   | 79948    | 4.838  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 45962    | 5.159  | ug/L   | 100      |
| 38) Bromodichloromethane      | 6.506  | 83   | 64734    | 5.735  | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 57547    | 4.981  | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 183912   | 51.702 | ug/L   | 100      |
| 42) Toluene                   | 7.384  | 91   | 217971   | 5.316  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 45525    | 5.013  | ug/L   | 94       |
| 45) 1,1,2-Trichloroethane     | 7.838  | 97   | 32627    | 5.349  | ug/L   | 98       |
| 47) Tetrachloroethene         | 7.973  | 164  | 42044    | 5.406  | ug/L   | 96       |
| 48) 2-Hexanone                | 8.137  | 43   | 127268   | 50.024 | ug/L   | 95       |
| 49) Dibromochloromethane      | 8.243  | 129  | 37664    | 5.738  | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 29489    | 5.189  | ug/L # | 98       |
| 51) Chlorobenzene             | 8.879  | 112  | 137373   | 5.188  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 224886   | 5.171  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.137  | 106  | 89555    | 5.295  | ug/L   | 100      |
| 54) o-Xylene                  | 9.542  | 106  | 83072    | 5.138  | ug/L   | 92       |
| 55) Styrene                   | 9.558  | 104  | 146459   | 5.509  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 32703    | 5.143  | ug/L   | 98       |
| 59) Bromoform                 | 9.728  | 173  | 17597    | 6.401  | ug/L   | 97       |
| 60) Isopropylbenzene          | 9.928  | 105  | 229535   | 5.146  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 25860    | 5.081  | ug/L   | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 94434    | 4.721  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 177797   | 4.982  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 108714   | 5.204  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.272 | 146  | 108595   | 5.191  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 96426    | 5.245  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 4589     | 5.036  | ug/L   | 86       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 80823    | 5.363  | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 60945    | 5.360  | ug/L   | 97       |
| 71) Naphthalene               | 13.500 | 128  | 85595    | 4.830  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 51699    | 5.277  | ug/L   | 97       |

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

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