

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW041224\  
 Data File : VW035166.D  
 Acq On : 12 Apr 2024 11:41  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005384

Quant Time: Apr 13 03:35:46 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR040224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Apr 12 02:02:37 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.535  | 114   | 182869   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.783  | 117   | 186030   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.185 | 152   | 96335    | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 49237    | 3.267    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 65.400%   |
| 7) Chloroethane-d5            | 1.532  | 69    | 49661    | 3.997    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 80.000%   |
| 11) 1,1-Dichloroethene-d2     | 2.056  | 65    | 23798    | 3.477    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 69.600%   |
| 20) 2-Butanone-d5             | 3.831  | 46    | 144895   | 61.447   | ug/L   | 0.01      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 122.900%  |
| 24) Chloroform-d              | 4.246  | 84    | 110787   | 4.543    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.800%   |
| 26) 1,2-Dichloroethane-d4     | 4.944  | 65    | 55285    | 5.020    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.400%  |
| 32) Benzene-d6                | 4.960  | 84    | 211237   | 4.341    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 86.800%   |
| 36) 1,2-Dichloropropane-d6    | 5.989  | 67    | 67153    | 4.702    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 94.000%   |
| 41) Toluene-d8                | 7.243  | 98    | 191451   | 4.331    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.600%   |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 22007    | 4.337    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 86.800%   |
| 46) 2-Hexanone-d5             | 8.027  | 63    | 114048   | 65.494   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 130.980%# |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152 | 84    | 53255    | 5.344    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 106.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152   | 67294    | 4.435    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 88.600%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 1.108  | 85    | 59038    | 4.195    | ug/L   | 100       |
| 3) Chloromethane              | 1.214  | 50    | 75452    | 4.420    | ug/L   | 98        |
| 5) Vinyl chloride             | 1.281  | 62    | 80114    | 4.388    | ug/L   | 99        |
| 6) Bromomethane               | 1.487  | 94    | 42936    | 4.119    | ug/L   | 97        |
| 8) Chloroethane               | 1.548  | 64    | 53864    | 4.590    | ug/L   | 100       |
| 9) Trichlorofluoromethane     | 1.712  | 101   | 110152   | 4.539    | ug/L   | 99        |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066  | 101   | 68604    | 4.615    | ug/L   | 99        |
| 12) 1,1-Dichloroethene        | 2.069  | 96    | 63363    | 4.564    | ug/L   | 91        |
| 13) Acetone                   | 2.166  | 43    | 115691   | 67.256   | ug/L   | 84        |
| 14) Carbon disulfide          | 2.240  | 76    | 167392   | 4.047    | ug/L   | 99        |
| 15) Methyl Acetate            | 2.387  | 43    | 26418    | 5.564    | ug/L   | 99        |
| 16) Methylene chloride        | 2.445  | 84    | 76496    | 5.022    | ug/L   | 94        |
| 17) Methyl tert-butyl Ether   | 2.706  | 73    | 160525   | 5.370    | ug/L   | 100       |
| 18) trans-1,2-Dichloroethene  | 2.693  | 96    | 65057    | 4.727    | ug/L   | 92        |
| 19) 1,1-Dichloroethane        | 3.111  | 63    | 138271   | 5.093    | ug/L   | 99        |
| 21) 2-Butanone                | 3.908  | 43    | 166506   | 60.395   | ug/L   | 89        |
| 22) cis-1,2-Dichloroethene    | 3.815  | 96    | 71212    | 4.941    | ug/L   | 96        |
| 23) Bromochloromethane        | 4.149  | 128   | 32334    | 5.343    | ug/L   | 98        |
| 25) Chloroform                | 4.275  | 83    | 138079   | 5.121    | ug/L   | 99        |

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

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005384

Quant Time: Apr 13 03:35:46 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR040224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Apr 12 02:02:37 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.043  | 62   | 82737    | 5.452  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 4.510  | 97   | 111131   | 4.874  | ug/L  | 98       |
| 30) Cyclohexane               | 4.580  | 56   | 94333    | 4.491  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.731  | 117  | 94021    | 4.819  | ug/L  | 97       |
| 33) Benzene                   | 5.008  | 78   | 281674   | 4.946  | ug/L  | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 70955    | 4.782  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.047  | 83   | 99527    | 4.404  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.092  | 63   | 78886    | 5.342  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.432  | 83   | 96563    | 5.183  | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 95250    | 4.802  | ug/L  | 95       |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 398151   | 59.757 | ug/L  | 100      |
| 42) Toluene                   | 7.313  | 91   | 294097   | 4.912  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.583  | 75   | 83444    | 5.074  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.770  | 97   | 52780    | 5.440  | ug/L  | 99       |
| 47) Tetrachloroethene         | 7.905  | 164  | 55758    | 5.001  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.079  | 43   | 298024   | 59.250 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.175  | 129  | 58544    | 5.126  | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 47932    | 5.247  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.812  | 112  | 188160   | 4.865  | ug/L  | 98       |
| 52) Ethylbenzene              | 8.947  | 91   | 308970   | 4.778  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.072  | 106  | 112568   | 4.741  | ug/L  | 99       |
| 54) o-Xylene                  | 9.477  | 106  | 112471   | 4.828  | ug/L  | 97       |
| 55) Styrene                   | 9.493  | 104  | 195754   | 5.226  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 65447    | 5.643  | ug/L  | 98       |
| 59) Bromoform                 | 9.667  | 173  | 30527    | 5.098  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.866  | 105  | 283836   | 4.714  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 48191    | 5.359  | ug/L  | 96       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 224948   | 4.548  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 235921   | 4.701  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 149928   | 4.879  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 150204   | 4.880  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 140768   | 4.959  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 9610     | 5.198  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 111213   | 4.820  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 91185    | 5.088  | ug/L  | 98       |
| 71) Naphthalene               | 13.438 | 128  | 125580   | 4.986  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 84110    | 5.336  | ug/L  | 99       |

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

