

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW030223\  
 Data File : VW030126.D  
 Acq On : 02 Mar 2023 18:35  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005291

Quant Time: Mar 03 03:33:54 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR022323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Mar 03 03:28:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.545  | 114   | 145152   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.793  | 117   | 143377   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194 | 152   | 86481    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.282  | 65    | 41754    | 4.446    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 89.000%  |
| 7) Chloroethane-d5            | 1.536  | 69    | 43947    | 4.985    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 99.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.066  | 63    | 97637    | 5.057    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 101.200% |
| 20) 2-Butanone-d5             | 3.844  | 46    | 91024    | 52.566   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 105.140% |
| 24) Chloroform-d              | 4.262  | 84    | 103909   | 5.416    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 108.400% |
| 26) 1,2-Dichloroethane-d4     | 4.953  | 65    | 44072    | 5.627    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 112.600% |
| 32) Benzene-d6                | 4.973  | 84    | 186866   | 4.844    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.998  | 67    | 59571    | 5.133    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 102.600% |
| 41) Toluene-d8                | 7.252  | 98    | 175435   | 4.797    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.000%  |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79    | 19175    | 4.829    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 96.600%  |
| 46) 2-Hexanone-d5             | 8.037  | 63    | 91383    | 55.626   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 111.260% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.162 | 84    | 47555    | 5.759    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 115.200% |
| 66) 1,2-Dichlorobenzene-d4    | 11.571 | 152   | 69939    | 4.780    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 95.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108  | 85    | 65286    | 5.528    | ug/L   | 98       |
| 3) Chloromethane              | 1.217  | 50    | 93311    | 5.014    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.285  | 62    | 69322    | 5.605    | ug/L   | 99       |
| 6) Bromomethane               | 1.491  | 94    | 14056    | 6.331    | ug/L   | 97       |
| 8) Chloroethane               | 1.552  | 64    | 42513    | 5.642    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.719  | 101   | 98967    | 5.577    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.073  | 101   | 61743    | 5.611    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.076  | 96    | 54366    | 5.581    | ug/L   | 94       |
| 13) Acetone                   | 2.172  | 43    | 60615    | 47.361   | ug/L   | 97       |
| 14) Carbon disulfide          | 2.246  | 76    | 139069   | 5.336    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.397  | 43    | 16965    | 5.676    | ug/L   | 99       |
| 16) Methylene chloride        | 2.455  | 84    | 58887    | 4.948    | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 2.716  | 73    | 102807   | 5.397    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 2.703  | 96    | 50914    | 5.494    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.121  | 63    | 98253    | 5.692    | ug/L   | 99       |
| 21) 2-Butanone                | 3.921  | 43    | 88644    | 51.500   | ug/L # | 63       |
| 22) cis-1,2-Dichloroethene    | 3.828  | 96    | 53098    | 5.184    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.162  | 128   | 25530    | 5.833    | ug/L   | 95       |
| 25) Chloroform                | 4.288  | 83    | 102831   | 5.726    | ug/L   | 98       |

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 MSVOA\_V  
 ClientSampleId :  
 VSTD005291

Quant Time: Mar 03 03:33:54 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR022323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Mar 03 03:28:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.053  | 62   | 53988    | 5.748  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 4.523  | 97   | 91846    | 5.453  | ug/L  | 98       |
| 30) Cyclohexane               | 4.593  | 56   | 69462    | 4.773  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.748  | 117  | 81307    | 5.371  | ug/L  | 99       |
| 33) Benzene                   | 5.021  | 78   | 210956   | 5.387  | ug/L  | 100      |
| 34) Trichloroethene           | 5.844  | 95   | 55792    | 5.085  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.060  | 83   | 78067    | 4.701  | ug/L  | 95       |
| 37) 1,2-Dichloropropane       | 6.105  | 63   | 57306    | 5.752  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.442  | 83   | 71769    | 5.643  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 6.963  | 75   | 72720    | 4.987  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.172  | 43   | 232229   | 56.494 | ug/L  | 99       |
| 42) Toluene                   | 7.323  | 91   | 231503   | 5.459  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.590  | 75   | 60725    | 5.334  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.777  | 97   | 39787    | 5.582  | ug/L  | 96       |
| 47) Tetrachloroethene         | 7.915  | 164  | 48940    | 5.196  | ug/L  | 96       |
| 48) 2-Hexanone                | 8.088  | 43   | 168877   | 57.386 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.185  | 129  | 47583    | 5.705  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.291  | 107  | 37932    | 5.704  | ug/L  | 97       |
| 51) Chlorobenzene             | 8.821  | 112  | 149428   | 5.224  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.957  | 91   | 238899   | 5.176  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.082  | 106  | 93662    | 5.280  | ug/L  | 98       |
| 54) o-Xylene                  | 9.487  | 106  | 88438    | 5.219  | ug/L  | 98       |
| 55) Styrene                   | 9.503  | 104  | 154689   | 5.490  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.188 | 83   | 47283    | 5.930  | ug/L  | 98       |
| 59) Bromoform                 | 9.674  | 173  | 27985    | 5.399  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.876  | 105  | 244322   | 4.910  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.217 | 75   | 31432    | 5.430  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.487 | 105  | 191654   | 4.689  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.860 | 105  | 202633   | 4.846  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.127 | 146  | 131548   | 5.077  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.217 | 146  | 133923   | 5.123  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.590 | 146  | 120700   | 5.276  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.374 | 75   | 7097     | 5.490  | ug/L  | 92       |
| 69) 1,3,5-Trichlorobenzene    | 12.593 | 180  | 101800   | 4.779  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.207 | 180  | 79970    | 4.635  | ug/L  | 98       |
| 71) Naphthalene               | 13.448 | 128  | 102998   | 4.568  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.689 | 180  | 68683    | 4.835  | ug/L  | 99       |

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

