

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW100721\  
 Data File : VW022689.D  
 Acq On : 08 Oct 2021 01:52  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005302

Quant Time: Oct 08 04:06:12 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100721WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Oct 08 04:01:59 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 116778   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 115716   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252 | 152   | 64619    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 39649    | 4.935    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 98.600%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 35994    | 4.985    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 99.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 78232    | 4.964    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 99.200%  |
| 20) 2-Butanone-d5             | 3.925  | 46    | 78722    | 37.368   | ug/L   | -0.04    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 74.740%  |
| 24) Chloroform-d              | 4.349  | 84    | 80610    | 4.869    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 40518    | 5.042    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.800% |
| 32) Benzene-d6                | 5.047  | 84    | 162341   | 4.713    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 50792    | 4.979    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 99.600%  |
| 41) Toluene-d8                | 7.317  | 98    | 153769   | 5.164    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 103.200% |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 15909    | 4.701    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 94.000%  |
| 46) 2-Hexanone-d5             | 8.098  | 63    | 77739    | 57.002   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 114.000% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.220 | 84    | 37076    | 5.365    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 107.200% |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 59087    | 4.932    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 98.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 43835    | 5.150    | ug/L   | 98       |
| 3) Chloromethane              | 1.240  | 50    | 44578    | 5.211    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.307  | 62    | 46966    | 5.314    | ug/L   | 100      |
| 6) Bromomethane               | 1.520  | 94    | 29856    | 5.419    | ug/L   | 96       |
| 8) Chloroethane               | 1.584  | 64    | 27285    | 4.990    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.751  | 101   | 67689    | 5.229    | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114  | 101   | 38920    | 5.168    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.114  | 96    | 36530    | 5.179    | ug/L   | 86       |
| 13) Acetone                   | 2.198  | 43    | 37584    | 31.994   | ug/L   | 94       |
| 14) Carbon disulfide          | 2.288  | 76    | 100353   | 5.062    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.439  | 43    | 11492    | 3.419    | ug/L   | 93       |
| 16) Methylene chloride        | 2.503  | 84    | 40493    | 4.170    | ug/L   | 95       |
| 17) Methyl tert-butyl Ether   | 2.777  | 73    | 89374    | 5.236    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.751  | 96    | 38596    | 5.031    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.185  | 63    | 72503    | 5.248    | ug/L   | 98       |
| 21) 2-Butanone                | 4.008  | 43    | 70650    | 36.731   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 3.905  | 96    | 43348    | 5.382    | ug/L   | 95       |
| 23) Bromochloromethane        | 4.246  | 128   | 20076    | 5.610    | ug/L   | 98       |
| 25) Chloroform                | 4.375  | 83    | 81442    | 5.085    | ug/L   | 100      |

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 MSVOA\_V  
 ClientSampleId :  
 VSTD005302

Quant Time: Oct 08 04:06:12 2021  
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Oct 08 04:01:59 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.133  | 62   | 40067    | 5.012  | ug/L  | 97       |
| 29) 1,1,1-Trichloroethane     | 4.600  | 97   | 65122    | 4.928  | ug/L  | 99       |
| 30) Cyclohexane               | 4.664  | 56   | 56938    | 4.670  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.818  | 117  | 57432    | 5.007  | ug/L  | 99       |
| 33) Benzene                   | 5.095  | 78   | 156582   | 5.024  | ug/L  | 100      |
| 34) Trichloroethene           | 5.912  | 95   | 41614    | 4.910  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.127  | 83   | 59447    | 5.007  | ug/L  | 93       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 37796    | 5.043  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.513  | 83   | 46626    | 5.048  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.031  | 75   | 48187    | 4.856  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.240  | 43   | 222520   | 55.251 | ug/L  | 96       |
| 42) Toluene                   | 7.387  | 91   | 168656   | 5.331  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.654  | 75   | 41204    | 5.094  | ug/L  | 94       |
| 45) 1,1,2-Trichloroethane     | 7.844  | 97   | 27555    | 4.954  | ug/L  | 98       |
| 47) Tetrachloroethene         | 7.976  | 164  | 35072    | 5.117  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.149  | 43   | 168605   | 57.256 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.249  | 129  | 33710    | 5.177  | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 27492    | 5.293  | ug/L  | 96       |
| 51) Chlorobenzene             | 8.883  | 112  | 107714   | 5.181  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.014  | 91   | 166914   | 5.196  | ug/L  | 100      |
| 53) m,p-xylene                | 9.140  | 106  | 66231    | 5.254  | ug/L  | 95       |
| 54) o-xylene                  | 9.545  | 106  | 63509    | 5.355  | ug/L  | 100      |
| 55) Styrene                   | 9.561  | 104  | 112479   | 5.504  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.243 | 83   | 30998    | 5.509  | ug/L  | 97       |
| 59) Bromoform                 | 9.735  | 173  | 18563    | 5.128  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.931  | 105  | 171426   | 5.223  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.278 | 75   | 24121    | 5.373  | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.542 | 105  | 133204   | 5.023  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 138736   | 5.228  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 88928    | 5.162  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 87670    | 5.012  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.645 | 146  | 86143    | 5.331  | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 4032     | 4.934  | ug/L  | 87       |
| 69) 1,3,5-Trichlorobenzene    | 12.648 | 180  | 65452    | 5.044  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 50552    | 5.099  | ug/L  | 99       |
| 71) Naphthalene               | 13.503 | 128  | 78674    | 4.993  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 49181    | 5.261  | ug/L  | 100      |

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

