

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111621\  
 Data File : VU045804.D  
 Acq On : 16 Nov 2021 13:46  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005124

Quant Time: Nov 17 04:46:55 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 16 03:04:04 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253  | 114   | 91442    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 94956    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.815 | 152   | 50941    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 30959    | 4.273    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 85.400%  |
| 7) Chloroethane-d5            | 1.919  | 69    | 24763    | 4.695    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 94.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.571  | 65    | 13177    | 4.336    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 86.800%  |
| 20) 2-Butanone-d5             | 4.649  | 46    | 115879   | 59.685   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 119.360% |
| 24) Chloroform-d              | 5.070  | 84    | 59410    | 4.922    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.706  | 65    | 36611    | 5.170    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 103.400% |
| 32) Benzene-d6                | 5.732  | 84    | 122560   | 4.687    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.697  | 67    | 39743    | 4.822    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 96.400%  |
| 41) Toluene-d8                | 7.902  | 98    | 111676   | 4.721    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.400%  |
| 43) trans-1,3-Dichloroprop... | 8.185  | 79    | 17191    | 5.138    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 102.800% |
| 46) 2-Hexanone-d5             | 8.639  | 63    | 91935    | 61.053   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 122.100% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761 | 84    | 39476    | 5.670    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 113.400% |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 43289    | 4.949    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 99.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 40087    | 5.384    | ug/L   | 98       |
| 3) Chloromethane              | 1.520  | 50    | 41661    | 5.280    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.607  | 62    | 44116    | 5.571    | ug/L   | 100      |
| 6) Bromomethane               | 1.861  | 94    | 24587    | 5.235    | ug/L   | 97       |
| 8) Chloroethane               | 1.938  | 64    | 26497    | 5.868    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.144  | 101   | 56970    | 5.573    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588  | 101   | 33324    | 5.559    | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.584  | 96    | 31463    | 5.558    | ug/L   | 86       |
| 13) Acetone                   | 2.674  | 43    | 66319    | 58.035   | ug/L   | 97       |
| 14) Carbon disulfide          | 2.800  | 76    | 93718    | 5.235    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.967  | 43    | 17634    | 6.289    | ug/L   | 97       |
| 16) Methylene chloride        | 3.051  | 84    | 37981    | 4.545    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 3.369  | 73    | 85497    | 5.802    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.359  | 96    | 32803    | 5.406    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.877  | 63    | 63309    | 5.569    | ug/L   | 98       |
| 21) 2-Butanone                | 4.732  | 43    | 121138   | 63.004   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.674  | 96    | 36447    | 5.540    | ug/L   | 99       |
| 23) Bromochloromethane        | 4.980  | 128   | 17456    | 6.088    | ug/L   | 95       |
| 25) Chloroform                | 5.092  | 83    | 69181    | 5.610    | ug/L   | 98       |

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 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005124

Quant Time: Nov 17 04:46:55 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 16 03:04:04 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.800  | 62   | 44357    | 5.637  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97   | 55171    | 5.348  | ug/L  | 100      |
| 30) Cyclohexane               | 5.395  | 56   | 52555    | 5.136  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.533  | 117  | 45720    | 5.270  | ug/L  | 98       |
| 33) Benzene                   | 5.780  | 78   | 139817   | 5.277  | ug/L  | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 36234    | 5.306  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.767  | 83   | 55240    | 5.267  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.796  | 63   | 37458    | 5.372  | ug/L  | 98       |
| 38) Bromodichloromethane      | 7.108  | 83   | 47411    | 5.510  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 52887    | 5.337  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.796  | 43   | 283441   | 61.970 | ug/L  | 100      |
| 42) Toluene                   | 7.973  | 91   | 151049   | 5.522  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.214  | 75   | 47872    | 5.553  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.404  | 97   | 29912    | 5.778  | ug/L  | 96       |
| 47) Tetrachloroethene         | 8.555  | 164  | 26355    | 5.513  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.690  | 43   | 213832   | 64.714 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.812  | 129  | 33415    | 5.667  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.928  | 107  | 28991    | 5.944  | ug/L  | 100      |
| 51) Chlorobenzene             | 9.449  | 112  | 96021    | 5.596  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.574  | 91   | 158716   | 5.544  | ug/L  | 98       |
| 53) m,p-Xylene                | 9.697  | 106  | 61499    | 5.608  | ug/L  | 95       |
| 54) o-Xylene                  | 10.105 | 106  | 60573    | 5.724  | ug/L  | 96       |
| 55) Styrene                   | 10.118 | 104  | 104207   | 5.849  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.787 | 83   | 39209    | 5.913  | ug/L  | 95       |
| 59) Bromoform                 | 10.295 | 173  | 19394    | 5.748  | ug/L  | 97       |
| 60) Isopropylbenzene          | 10.488 | 105  | 159291   | 5.326  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.828 | 75   | 30040    | 5.681  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.092 | 105  | 131996   | 5.398  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.471 | 105  | 132302   | 5.400  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 76061    | 5.452  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 75336    | 5.315  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 72605    | 5.428  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 5739     | 5.216  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 54990    | 5.269  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 46964    | 5.318  | ug/L  | 99       |
| 71) Naphthalene               | 14.089 | 128  | 100521   | 5.540  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.333 | 180  | 47866    | 5.447  | ug/L  | 98       |

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

