

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020722\  
 Data File : VU047059.D  
 Acq On : 07 Feb 2022 09:55  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005190

Quant Time: Feb 07 22:26:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR020422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Feb 05 01:18:17 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253  | 114   | 107713   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 127306   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 71370    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 58759    | 4.252    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 85.000%  |
| 7) Chloroethane-d5            | 1.919  | 69    | 48372    | 4.535    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 90.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 65    | 24136    | 4.880    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 97.600%  |
| 20) 2-Butanone-d5             | 4.649  | 46    | 133333   | 48.258   | ug/L   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 96.520%  |
| 24) Chloroform-d              | 5.070  | 84    | 100792   | 4.573    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.707  | 65    | 51742    | 4.596    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.000%  |
| 32) Benzene-d6                | 5.732  | 84    | 197092   | 4.420    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 88.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67    | 58930    | 4.237    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 84.800%  |
| 41) Toluene-d8                | 7.903  | 98    | 184399   | 4.662    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.200%  |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 23792    | 4.489    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 89.800%  |
| 46) 2-Hexanone-d5             | 8.636  | 63    | 118118   | 48.114   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 96.220%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 56260    | 4.738    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 94.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 62488    | 4.300    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 86.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.388  | 85    | 42837    | 4.363    | ug/L   | 99       |
| 3) Chloromethane              | 1.527  | 50    | 51302    | 4.241    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.610  | 62    | 53249    | 4.373    | ug/L   | 100      |
| 6) Bromomethane               | 1.864  | 94    | 31126    | 4.616    | ug/L   | 98       |
| 8) Chloroethane               | 1.941  | 64    | 33297    | 4.608    | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 2.147  | 101   | 70772    | 4.597    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588  | 101   | 42160    | 4.651    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.588  | 96    | 39710    | 4.966    | ug/L   | 90       |
| 13) Acetone                   | 2.671  | 43    | 79779    | 50.032   | ug/L   | 63       |
| 14) Carbon disulfide          | 2.800  | 76    | 113266   | 4.523    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.967  | 43    | 16128    | 4.871    | ug/L   | 100      |
| 16) Methylene chloride        | 3.054  | 84    | 43657    | 4.318    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 3.369  | 73    | 80491    | 4.576    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.363  | 96    | 37562    | 4.498    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.877  | 63    | 70744    | 4.556    | ug/L   | 96       |
| 21) 2-Butanone                | 4.729  | 43    | 110802   | 48.488   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.674  | 96    | 39840    | 4.542    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.980  | 128   | 20470    | 4.838    | ug/L   | 96       |
| 25) Chloroform                | 5.092  | 83    | 75867    | 4.292    | ug/L   | 98       |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005190

Quant Time: Feb 07 22:26:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR020422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Feb 05 01:18:17 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.800  | 62   | 47373    | 4.672  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97   | 64207    | 4.412  | ug/L  | 99       |
| 30) Cyclohexane               | 5.395  | 56   | 49052    | 4.176  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 5.530  | 117  | 55850    | 4.494  | ug/L  | 95       |
| 33) Benzene                   | 5.777  | 78   | 162146   | 4.535  | ug/L  | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 39375    | 4.356  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.768  | 83   | 52309    | 4.175  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 41571    | 4.397  | ug/L  | 98       |
| 38) Bromodichloromethane      | 7.108  | 83   | 54075    | 4.403  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 52229    | 4.254  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.797  | 43   | 244505   | 48.419 | ug/L  | 99       |
| 42) Toluene                   | 7.973  | 91   | 173713   | 4.729  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 51206    | 4.668  | ug/L  | 95       |
| 45) 1,1,2-Trichloroethane     | 8.404  | 97   | 33331    | 4.739  | ug/L  | 96       |
| 47) Tetrachloroethene         | 8.555  | 164  | 31591    | 4.504  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.687  | 43   | 205351   | 52.807 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.813  | 129  | 38917    | 4.736  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 30557    | 4.703  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.449  | 112  | 107623   | 4.464  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.575  | 91   | 161363   | 4.371  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.697  | 106  | 64094    | 4.466  | ug/L  | 97       |
| 54) o-Xylene                  | 10.105 | 106  | 60203    | 4.512  | ug/L  | 96       |
| 55) Styrene                   | 10.118 | 104  | 108892   | 4.638  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.784 | 83   | 42917    | 4.689  | ug/L  | 99       |
| 59) Bromoform                 | 10.292 | 173  | 21641    | 4.789  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.488 | 105  | 155939   | 4.430  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.825 | 75   | 31148    | 4.678  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 112906   | 4.180  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 116374   | 4.243  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 84753    | 4.506  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 85119    | 4.381  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 81040    | 4.465  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 6301     | 4.586  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 59025    | 4.180  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 47350    | 4.117  | ug/L  | 98       |
| 71) Naphthalene               | 14.086 | 128  | 81503    | 4.095  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 46856    | 4.269  | ug/L  | 97       |

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

