

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU031722\  
 Data File : VU047606.D  
 Acq On : 17 Mar 2022 14:15  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005107

Quant Time: Mar 18 01:28:17 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR031422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Mar 18 01:27:05 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|-------|-----------|
| -----                         |        |       |          |          |       |           |
| Internal Standards            |        |       |          |          |       |           |
| 1) 1,4-Difluorobenzene        | 6.253  | 114   | 126308   | 5.000    | ug/L  | 0.00      |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 125752   | 5.000    | ug/L  | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 71021    | 5.000    | ug/L  | 0.00      |
| System Monitoring Compounds   |        |       |          |          |       |           |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 53759    | 6.508    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 130.200%# |
| 7) Chloroethane-d5            | 1.919  | 69    | 40659    | 5.423    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 108.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 65    | 21280    | 5.493    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 109.800%  |
| 20) 2-Butanone-d5             | 4.642  | 46    | 97933    | 41.204   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 82.400%   |
| 24) Chloroform-d              | 5.070  | 84    | 89118    | 4.913    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 98.200%   |
| 26) 1,2-Dichloroethane-d4     | 5.706  | 65    | 46610    | 4.742    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 94.800%   |
| 32) Benzene-d6                | 5.732  | 84    | 176805   | 4.830    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 96.600%   |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67    | 53229    | 4.624    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 92.400%   |
| 41) Toluene-d8                | 7.899  | 98    | 173264   | 5.048    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 101.000%  |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 24048    | 4.969    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 99.400%   |
| 46) 2-Hexanone-d5             | 8.639  | 63    | 109574   | 43.676   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 87.360%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 49475    | 4.304    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 86.000%   |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 72033    | 4.854    | ug/L  | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 97.000%   |
| Target Compounds              |        |       |          |          |       |           |
|                               |        |       |          |          |       | Qvalue    |
| 2) Dichlorodifluoromethane    | 1.388  | 85    | 41245    | 5.307    | ug/L  | 98        |
| 3) Chloromethane              | 1.523  | 50    | 37221    | 4.884    | ug/L  | 98        |
| 5) Vinyl chloride             | 1.607  | 62    | 40070    | 5.098    | ug/L  | 100       |
| 6) Bromomethane               | 1.861  | 94    | 19838    | 5.365    | ug/L  | 99        |
| 8) Chloroethane               | 1.938  | 64    | 25076    | 5.279    | ug/L  | 98        |
| 9) Trichlorofluoromethane     | 2.144  | 101   | 59244    | 5.749    | ug/L  | 99        |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588  | 101   | 36393    | 5.595    | ug/L  | 98        |
| 12) 1,1-Dichloroethene        | 2.584  | 96    | 32612    | 5.183    | ug/L  | 96        |
| 13) Acetone                   | 2.652  | 43    | 42268    | 45.610   | ug/L  | 93        |
| 14) Carbon disulfide          | 2.800  | 76    | 90002    | 4.754    | ug/L  | 100       |
| 15) Methyl Acetate            | 2.967  | 43    | 10748    | 4.201    | ug/L  | 90        |
| 16) Methylene chloride        | 3.051  | 84    | 39462    | 4.251    | ug/L  | 100       |
| 17) Methyl tert-butyl Ether   | 3.369  | 73    | 79441    | 4.920    | ug/L  | 99        |
| 18) trans-1,2-Dichloroethene  | 3.359  | 96    | 33789    | 4.995    | ug/L  | 96        |
| 19) 1,1-Dichloroethane        | 3.877  | 63    | 60892    | 5.117    | ug/L  | 99        |
| 21) 2-Butanone                | 4.723  | 43    | 82821    | 46.973   | ug/L  | 100       |
| 22) cis-1,2-Dichloroethene    | 4.674  | 96    | 38948    | 5.190    | ug/L  | 94        |
| 23) Bromochloromethane        | 4.980  | 128   | 19588    | 5.143    | ug/L  | 96        |
| 25) Chloroform                | 5.092  | 83    | 67663    | 5.172    | ug/L  | 95        |

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 ALS Vial : 8 Sample Multiplier: 1

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 MSVOA\_U  
 ClientSampleId :  
 VSTD005107

Quant Time: Mar 18 01:28:17 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR031422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Mar 18 01:27:05 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.800  | 62   | 43293    | 5.174  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97   | 57914    | 5.179  | ug/L  | 99       |
| 30) Cyclohexane               | 5.395  | 56   | 45592    | 4.721  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.530  | 117  | 51748    | 5.261  | ug/L  | 100      |
| 33) Benzene                   | 5.777  | 78   | 143386   | 5.047  | ug/L  | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 38402    | 5.100  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.768  | 83   | 53559    | 4.943  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 37374    | 5.133  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.108  | 83   | 51872    | 5.174  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 54325    | 4.801  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.796  | 43   | 230691   | 45.452 | ug/L  | 100      |
| 42) Toluene                   | 7.970  | 91   | 162877   | 5.288  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.214  | 75   | 50345    | 4.988  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.404  | 97   | 31717    | 5.081  | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.555  | 164  | 33919    | 5.282  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.687  | 43   | 174073   | 45.064 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.812  | 129  | 39657    | 5.157  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 31012    | 5.024  | ug/L  | 99       |
| 51) Chlorobenzene             | 9.449  | 112  | 106973   | 5.085  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 156918   | 4.810  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.697  | 106  | 61274    | 4.858  | ug/L  | 95       |
| 54) o-Xylene                  | 10.102 | 106  | 59555    | 4.779  | ug/L  | 98       |
| 55) Styrene                   | 10.115 | 104  | 105510   | 4.930  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 40227    | 4.807  | ug/L  | 95       |
| 59) Bromoform                 | 10.291 | 173  | 24940    | 4.978  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.484 | 105  | 156049   | 4.864  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.825 | 75   | 28016    | 4.703  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 100029   | 4.883  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 130507   | 4.908  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 91032    | 5.087  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 92049    | 5.036  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 88542    | 5.005  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 6512     | 4.557  | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 75696    | 5.004  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 62989    | 4.734  | ug/L  | 99       |
| 71) Naphthalene               | 14.089 | 128  | 95083    | 3.850  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 59374    | 4.650  | ug/L  | 98       |

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

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