

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042221\  
 Data File : VU043267.D  
 Acq On : 22 Apr 2021 09:48  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005143

Quant Time: Apr 22 23:33:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Apr 22 04:40:57 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.259  | 114   | 104657   | 5.00     | ug/L   | # 0.00   |
| 28) Chlorobenzene-d5          | 9.426  | 117   | 105737   | 5.00     | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 56603    | 5.00     | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 19483    | 3.66     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 73.20%   |
| 7) Chloroethane-d5            | 1.922  | 69    | 19131    | 3.82     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 76.40%   |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 65    | 13988    | 4.54     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 90.80%   |
| 20) 2-Butanone-d5             | 4.668  | 46    | 154714   | 66.28    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 132.56%# |
| 24) Chloroform-d              | 5.076  | 84    | 68559    | 5.07     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.40%  |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65    | 43967    | 4.80     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.00%   |
| 32) Benzene-d6                | 5.738  | 84    | 116221   | 4.72     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.40%   |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 40303    | 4.94     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.80%   |
| 41) Toluene-d8                | 7.906  | 98    | 110187   | 4.31     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.20%   |
| 43) trans-1,3-Dichloroprop... | 8.189  | 79    | 17492    | 4.85     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 97.00%   |
| 46) 2-Hexanone-d5             | 8.645  | 63    | 93098    | 51.77    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 103.54%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 40361    | 5.62     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 112.40%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.201 | 152   | 44705    | 4.61     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 92.20%   |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.391  | 85    | 34874    | 5.20     | ug/L   | 100      |
| 3) Chloromethane              | 1.523  | 50    | 31860    | 4.83     | ug/L   | 96       |
| 5) Vinyl chloride             | 1.610  | 62    | 34429    | 5.01     | ug/L   | 97       |
| 6) Bromomethane               | 1.864  | 94    | 18142    | 4.42     | ug/L   | 95       |
| 8) Chloroethane               | 1.941  | 64    | 19552    | 3.95     | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 2.147  | 101   | 58203    | 4.54     | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.591  | 101   | 36616    | 5.29     | ug/L   | 92       |
| 12) 1,1-Dichloroethene        | 2.591  | 96    | 30698    | 5.28     | ug/L   | 83       |
| 13) Acetone                   | 2.690  | 43    | 116541   | 67.95    | ug/L   | 88       |
| 14) Carbon disulfide          | 2.803  | 76    | 77466    | 5.22     | ug/L   | 99       |
| 15) Methyl Acetate            | 2.977  | 43    | 19792    | 6.14     | ug/L   | # 89     |
| 16) Methylene chloride        | 3.057  | 84    | 39330    | 5.22     | ug/L   | 79       |
| 17) Methyl tert-butyl Ether   | 3.378  | 73    | 97917    | 5.15     | ug/L   | # 92     |
| 18) trans-1,2-Dichloroethene  | 3.366  | 96    | 32857    | 5.30     | ug/L   | 89       |
| 19) 1,1-Dichloroethane        | 3.883  | 63    | 72116    | 5.34     | ug/L   | 98       |
| 21) 2-Butanone                | 4.742  | 43    | 180517   | 63.77    | ug/L   | 78       |
| 22) cis-1,2-Dichloroethene    | 4.681  | 96    | 37951    | 5.17     | ug/L   | 87       |
| 23) Bromochloromethane        | 4.983  | 128   | 18155    | 5.42     | ug/L   | # 71     |
| 25) Chloroform                | 5.099  | 83    | 75545    | 5.25     | ug/L   | 97       |

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 Sample : VSTDCCC005  
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005143

Quant Time: Apr 22 23:33:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Apr 22 04:40:57 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.806  | 62   | 60373    | 5.71  | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 5.327  | 97   | 65508    | 5.02  | ug/L   | 95       |
| 30) Cyclohexane               | 5.398  | 56   | 54015    | 4.83  | ug/L   | 85       |
| 31) Carbon tetrachloride      | 5.536  | 117  | 53342    | 4.90  | ug/L   | 96       |
| 33) Benzene                   | 5.787  | 78   | 149211   | 5.27  | ug/L   | 100      |
| 34) Trichloroethene           | 6.552  | 95   | 37833    | 4.86  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.774  | 83   | 51271    | 4.76  | ug/L # | 87       |
| 37) 1,2-Dichloropropane       | 6.800  | 63   | 42706    | 5.37  | ug/L # | 97       |
| 38) Bromodichloromethane      | 7.115  | 83   | 55705    | 5.21  | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 7.616  | 75   | 58170    | 5.00  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.803  | 43   | 428285   | 60.14 | ug/L # | 83       |
| 42) Toluene                   | 7.976  | 91   | 160186   | 5.07  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.221  | 75   | 55220    | 5.04  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 8.410  | 97   | 31862    | 5.36  | ug/L   | 98       |
| 47) Tetrachloroethene         | 8.562  | 164  | 30487    | 4.94  | ug/L   | 91       |
| 48) 2-Hexanone                | 8.697  | 43   | 333865   | 63.72 | ug/L # | 82       |
| 49) Dibromochloromethane      | 8.819  | 129  | 39768    | 5.30  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.934  | 107  | 30956    | 5.23  | ug/L   | 94       |
| 51) Chlorobenzene             | 9.455  | 112  | 100798   | 5.00  | ug/L   | 94       |
| 52) Ethylbenzene              | 9.578  | 91   | 173921   | 4.81  | ug/L   | 95       |
| 53) m,p-Xylene                | 9.703  | 106  | 63179    | 4.77  | ug/L   | 88       |
| 54) o-Xylene                  | 10.108 | 106  | 62077    | 4.74  | ug/L   | 90       |
| 55) Styrene                   | 10.121 | 104  | 110825   | 4.93  | ug/L   | 92       |
| 57) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 44269    | 5.66  | ug/L   | 100      |
| 59) Bromoform                 | 10.301 | 173  | 24963    | 5.40  | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.494 | 105  | 170060   | 4.68  | ug/L # | 96       |
| 61) 1,2,3-Trichloropropane    | 10.832 | 75   | 32678    | 5.59  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 134446   | 4.53  | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 137098   | 4.49  | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 11.754 | 146  | 85109    | 4.94  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.844 | 146  | 85400    | 4.88  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.221 | 146  | 82590    | 4.93  | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 13.005 | 75   | 7800     | 5.48  | ug/L   | 92       |
| 69) 1,3,5-Trichlorobenzene    | 13.227 | 180  | 68741    | 4.86  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.847 | 180  | 56382    | 4.81  | ug/L   | 97       |
| 71) Naphthalene               | 14.095 | 128  | 103839   | 5.26  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.339 | 180  | 55071    | 5.13  | ug/L   | 97       |

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

