

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU082021\  
 Data File : VU044488.D  
 Acq On : 20 Aug 2021 15:22  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005091

Manual Integrations  
 APPROVED

SAM  
 8/23/2021 10:54:00 AM

Quant Time: Aug 21 02:48:50 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR081821WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Aug 21 02:45:30 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.256  | 114   | 115468   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.423  | 117   | 116077   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 59301    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 38094    | 4.079    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 81.600%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 36515    | 4.499    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 90.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.571  | 65    | 17901    | 4.506    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 90.200%  |
| 20) 2-Butanone-d5             | 4.642  | 46    | 130391m  | 50.486   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 100.980% |
| 24) Chloroform-d              | 5.073  | 84    | 78247    | 4.738    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.710  | 65    | 41990    | 4.663    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.200%  |
| 32) Benzene-d6                | 5.735  | 84    | 155599   | 4.760    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 49261    | 4.711    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 94.200%  |
| 41) Toluene-d8                | 7.906  | 98    | 139119   | 4.800    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.000%  |
| 43) trans-1,3-Dichloroprop... | 8.185  | 79    | 18461    | 4.916    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 98.400%  |
| 46) 2-Hexanone-d5             | 8.645  | 63    | 108830   | 53.590   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 107.180% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 43201    | 4.905    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 98.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.198 | 152   | 48870    | 4.878    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.388  | 85    | 58349    | 4.914    | ug/L   | 99       |
| 3) Chloromethane              | 1.520  | 50    | 70166    | 4.510    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.607  | 62    | 71610    | 4.979    | ug/L   | 98       |
| 6) Bromomethane               | 1.861  | 94    | 40191    | 5.141    | ug/L   | 99       |
| 8) Chloroethane               | 1.938  | 64    | 43733    | 4.975    | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 2.144  | 101   | 82167    | 4.997    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.584  | 101   | 46617    | 5.152    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.584  | 96    | 44280    | 4.990    | ug/L   | 98       |
| 13) Acetone                   | 2.645  | 43    | 92672m   | 43.211   | ug/L   |          |
| 14) Carbon disulfide          | 2.800  | 76    | 140046   | 4.865    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.961  | 43    | 17029    | 4.862    | ug/L   | 98       |
| 16) Methylene chloride        | 3.054  | 84    | 72934    | 5.532    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 3.372  | 73    | 115536   | 5.034    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.359  | 96    | 46494    | 5.029    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.877  | 63    | 90714    | 5.061    | ug/L   | 97       |
| 21) 2-Butanone                | 4.719  | 43    | 161644m  | 52.891   | ug/L   |          |
| 22) cis-1,2-Dichloroethene    | 4.674  | 96    | 50089    | 5.067    | ug/L   | 100      |
| 23) Bromochloromethane        | 4.983  | 128   | 22430    | 5.147    | ug/L   | 94       |
| 25) Chloroform                | 5.095  | 83    | 91380    | 4.969    | ug/L   | 99       |

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Quant Time: Aug 21 02:48:50 2021  
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Aug 21 02:45:30 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.803  | 62   | 62887    | 5.127  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 5.324  | 97   | 75321    | 5.184  | ug/L  | 98       |
| 30) Cyclohexane               | 5.394  | 56   | 80884    | 5.036  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.533  | 117  | 60467    | 5.065  | ug/L  | 100      |
| 33) Benzene                   | 5.780  | 78   | 200993   | 5.104  | ug/L  | 100      |
| 34) Trichloroethene           | 6.549  | 95   | 49251    | 5.058  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.771  | 83   | 80229    | 4.941  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.800  | 63   | 53737    | 5.211  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.115  | 83   | 64791    | 5.117  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.616  | 75   | 72654    | 5.024  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.803  | 43   | 376314   | 53.745 | ug/L  | 100      |
| 42) Toluene                   | 7.976  | 91   | 213828   | 5.212  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.218  | 75   | 61947    | 5.054  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.407  | 97   | 38975    | 5.300  | ug/L  | 95       |
| 47) Tetrachloroethene         | 8.558  | 164  | 34697    | 5.154  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.697  | 43   | 273414   | 54.725 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.819  | 129  | 39294    | 5.049  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.931  | 107  | 37467    | 5.327  | ug/L  | 99       |
| 51) Chlorobenzene             | 9.452  | 112  | 127331   | 5.058  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.578  | 91   | 224922   | 5.190  | ug/L  | 98       |
| 53) m,p-Xylene                | 9.700  | 106  | 85891    | 5.272  | ug/L  | 99       |
| 54) o-Xylene                  | 10.108 | 106  | 82485    | 5.198  | ug/L  | 97       |
| 55) Styrene                   | 10.121 | 104  | 144625   | 5.558  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 50219    | 5.187  | ug/L  | 99       |
| 59) Bromoform                 | 10.298 | 173  | 20017    | 4.778  | ug/L  | 96       |
| 60) Isopropylbenzene          | 10.491 | 105  | 217559   | 5.027  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.828 | 75   | 37230    | 5.024  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 180275   | 5.094  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 184986   | 5.098  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.751 | 146  | 95378    | 5.019  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.844 | 146  | 96061    | 5.003  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.217 | 146  | 91723    | 5.064  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 13.002 | 75   | 7473     | 4.930  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.227 | 180  | 65644    | 4.906  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.848 | 180  | 52142    | 4.972  | ug/L  | 99       |
| 71) Naphthalene               | 14.092 | 128  | 101240   | 5.064  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.336 | 180  | 49143    | 5.118  | ug/L  | 100      |

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

