

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122921\  
 Data File : VU046638.D  
 Acq On : 29 Dec 2021 20:37  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005150

Quant Time: Dec 30 04:24:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122121WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 30 04:21:35 2021  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                         |           |       |          |          |             |          |
| Internal Standards            |           |       |          |          |             |          |
| 1) 1,4-Difluorobenzene        | 6.253     | 114   | 64367    | 5.000    | ug/L        | 0.00     |
| 28) Chlorobenzene-d5          | 9.420     | 117   | 68727    | 5.000    | ug/L        | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.816    | 152   | 40122    | 5.000    | ug/L        | 0.00     |
| System Monitoring Compounds   |           |       |          |          |             |          |
| 4) Vinyl Chloride-d3          | 1.604     | 65    | 34797    | 6.863    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 40 - 130 | Recovery | = 137.200%# |          |
| 7) Chloroethane-d5            | 1.919     | 69    | 24389    | 6.109    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 65 - 130 | Recovery | = 122.200%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.575     | 65    | 14293    | 6.685    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 60 - 125 | Recovery | = 133.800%# |          |
| 20) 2-Butanone-d5             | 4.649     | 46    | 86561    | 58.860   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 40 - 130 | Recovery | = 117.720%  |          |
| 24) Chloroform-d              | 5.067     | 84    | 57520    | 6.192    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 125 | Recovery | = 123.800%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.707     | 65    | 31442    | 5.920    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 130 | Recovery | = 118.400%  |          |
| 32) Benzene-d6                | 5.732     | 84    | 108445   | 5.660    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 125 | Recovery | = 113.200%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.694     | 67    | 33165    | 5.761    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 60 - 140 | Recovery | = 115.200%  |          |
| 41) Toluene-d8                | 7.903     | 98    | 100045   | 5.754    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 130 | Recovery | = 115.000%  |          |
| 43) trans-1,3-Dichloroprop... | 8.182     | 79    | 14510    | 5.450    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 55 - 130 | Recovery | = 109.000%  |          |
| 46) 2-Hexanone-d5             | 8.636     | 63    | 75685    | 48.416   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 45 - 130 | Recovery | = 96.840%   |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758    | 84    | 32392    | 5.482    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 65 - 120 | Recovery | = 109.600%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195    | 152   | 36101    | 4.885    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 80 - 120 | Recovery | = 97.600%   |          |
| Target Compounds              |           |       |          |          |             |          |
|                               |           |       |          |          | Qvalue      |          |
| 2) Dichlorodifluoromethane    | 1.388     | 85    | 46527    | 4.724    | ug/L        | 99       |
| 3) Chloromethane              | 1.523     | 50    | 32290    | 3.807    | ug/L        | 98       |
| 5) Vinyl chloride             | 1.607     | 62    | 37148    | 4.448    | ug/L        | 98       |
| 6) Bromomethane               | 1.864     | 94    | 14114    | 2.808    | ug/L        | 95       |
| 8) Chloroethane               | 1.938     | 64    | 21973    | 4.482    | ug/L        | 98       |
| 9) Trichlorofluoromethane     | 2.144     | 101   | 56455    | 5.168    | ug/L        | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588     | 101   | 30705    | 5.522    | ug/L        | 97       |
| 12) 1,1-Dichloroethene        | 2.584     | 96    | 28223    | 4.985    | ug/L        | 93       |
| 13) Acetone                   | 2.668     | 43    | 69720    | 50.565   | ug/L        | 95       |
| 14) Carbon disulfide          | 2.800     | 76    | 70825    | 3.830    | ug/L        | 99       |
| 15) Methyl Acetate            | 2.967     | 43    | 13087    | 4.699    | ug/L #      | 89       |
| 16) Methylene chloride        | 3.051     | 84    | 35973    | 5.221    | ug/L        | 98       |
| 17) Methyl tert-butyl Ether   | 3.366     | 73    | 79558    | 4.817    | ug/L        | 99       |
| 18) trans-1,2-Dichloroethene  | 3.359     | 96    | 28676    | 4.747    | ug/L        | 92       |
| 19) 1,1-Dichloroethane        | 3.877     | 63    | 59950    | 5.387    | ug/L        | 100      |
| 21) 2-Butanone                | 4.726     | 43    | 110515   | 52.830   | ug/L        | 99       |
| 22) cis-1,2-Dichloroethene    | 4.671     | 96    | 33489    | 5.072    | ug/L        | 98       |
| 23) Bromochloromethane        | 4.980     | 128   | 16592    | 5.049    | ug/L        | 97       |
| 25) Chloroform                | 5.092     | 83    | 66826    | 5.559    | ug/L        | 98       |

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 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005150

Quant Time: Dec 30 04:24:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122121WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 30 04:21:35 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.800  | 62   | 45182    | 5.265  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97   | 57517    | 5.061  | ug/L   | 100      |
| 30) Cyclohexane               | 5.395  | 56   | 39720    | 4.225  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.530  | 117  | 50166    | 5.261  | ug/L   | 100      |
| 33) Benzene                   | 5.777  | 78   | 131365   | 4.811  | ug/L   | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 33061    | 4.593  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.768  | 83   | 42585    | 4.196  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 36053    | 5.176  | ug/L   | 98       |
| 38) Bromodichloromethane      | 7.108  | 83   | 51622    | 5.354  | ug/L # | 96       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 49875    | 4.730  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.796  | 43   | 255467   | 48.859 | ug/L   | 98       |
| 42) Toluene                   | 7.973  | 91   | 139621   | 4.981  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 46399    | 4.749  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 8.404  | 97   | 29400    | 4.894  | ug/L   | 97       |
| 47) Tetrachloroethene         | 8.555  | 164  | 24631    | 4.835  | ug/L   | 96       |
| 48) 2-Hexanone                | 8.687  | 43   | 193914   | 49.660 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.813  | 129  | 37552    | 5.420  | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 28067    | 4.840  | ug/L   | 97       |
| 51) Chlorobenzene             | 9.449  | 112  | 89806    | 5.013  | ug/L   | 97       |
| 52) Ethylbenzene              | 9.571  | 91   | 144897   | 4.994  | ug/L   | 98       |
| 53) m,p-Xylene                | 9.697  | 106  | 56880    | 5.118  | ug/L   | 94       |
| 54) o-Xylene                  | 10.102 | 106  | 55449    | 5.192  | ug/L   | 92       |
| 55) Styrene                   | 10.115 | 104  | 102838   | 5.551  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 40196    | 5.121  | ug/L   | 97       |
| 59) Bromoform                 | 10.292 | 173  | 22621    | 4.880  | ug/L   | 97       |
| 60) Isopropylbenzene          | 10.488 | 105  | 149378   | 4.828  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.825 | 75   | 29364    | 4.407  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 115901   | 4.504  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 123508   | 4.766  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 74777    | 4.971  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 76640    | 4.977  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 72912    | 4.833  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 7585     | 4.918  | ug/L   | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 56043    | 4.923  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 46401    | 4.812  | ug/L   | 97       |
| 71) Naphthalene               | 14.089 | 128  | 92584    | 4.324  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 49011    | 5.134  | ug/L   | 99       |

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

