

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092021\  
 Data File : VU044724.D  
 Acq On : 20 Sep 2021 21:18  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005115

Manual Integrations  
 APPROVED

MMDadoda  
 9/21/2021 1:09:42 PM

Quant Time: Sep 21 02:52:05 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090921WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Sep 21 02:46:41 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253  | 114   | 119640   | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 119387   | 5.00     | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.816 | 152   | 58916    | 5.00     | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 36549    | 5.18     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 103.60%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 31228    | 4.33     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 86.60%   |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65    | 16554    | 4.64     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 92.80%   |
| 20) 2-Butanone-d5             | 4.662  | 46    | 141509m  | 47.82    | ug/L   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 95.64%   |
| 24) Chloroform-d              | 5.070  | 84    | 71291    | 4.80     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.00%   |
| 26) 1,2-Dichloroethane-d4     | 5.710  | 65    | 40840    | 4.61     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.20%   |
| 32) Benzene-d6                | 5.732  | 84    | 133245   | 4.38     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.60%   |
| 36) 1,2-Dichloropropane-d6    | 6.697  | 67    | 45501    | 4.55     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 91.00%   |
| 41) Toluene-d8                | 7.903  | 98    | 119578   | 4.51     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 90.20%   |
| 43) trans-1,3-Dichloroprop... | 8.185  | 79    | 16534    | 4.69     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 93.80%   |
| 46) 2-Hexanone-d5             | 8.642  | 63    | 105519   | 46.59    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 93.18%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761 | 84    | 41443    | 4.68     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 93.60%   |
| 66) 1,2-Dichlorobenzene-d4    | 12.198 | 152   | 41465    | 4.27     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 85.40%   |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.388  | 85    | 43486    | 4.56     | ug/L   | 98       |
| 3) Chloromethane              | 1.520  | 50    | 55755    | 4.86     | ug/L   | 99       |
| 5) Vinyl chloride             | 1.604  | 62    | 57512    | 4.92     | ug/L   | 98       |
| 6) Bromomethane               | 1.861  | 94    | 27878    | 4.65     | ug/L   | 99       |
| 8) Chloroethane               | 1.938  | 64    | 37696    | 5.06     | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.141  | 101   | 68189    | 5.18     | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581  | 101   | 42043    | 5.20     | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.584  | 96    | 38751    | 5.04     | ug/L   | 93       |
| 13) Acetone                   | 2.684  | 43    | 80471m   | 41.75    | ug/L   |          |
| 14) Carbon disulfide          | 2.797  | 76    | 101564   | 4.17     | ug/L   | 99       |
| 15) Methyl Acetate            | 2.973  | 43    | 31302    | 8.99     | ug/L # | 78       |
| 16) Methylene chloride        | 3.051  | 84    | 53885    | 4.41     | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 3.375  | 73    | 108722   | 5.12     | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.359  | 96    | 40123    | 4.91     | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.877  | 63    | 88852    | 5.38     | ug/L   | 99       |
| 21) 2-Butanone                | 4.742  | 43    | 174277m  | 54.15    | ug/L   |          |
| 22) cis-1,2-Dichloroethene    | 4.671  | 96    | 45114    | 5.01     | ug/L   | 99       |
| 23) Bromochloromethane        | 4.983  | 128   | 20255    | 5.31     | ug/L   | 96       |
| 25) Chloroform                | 5.096  | 83    | 89943    | 5.11     | ug/L   | 96       |

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 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005115

Manual Integrations  
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MMDadoda  
 9/21/2021 1:09:42 PM

Quant Time: Sep 21 02:52:05 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090921WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Sep 21 02:46:41 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.803  | 62   | 59969    | 5.20  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 5.324  | 97   | 69149    | 5.32  | ug/L   | 99       |
| 30) Cyclohexane               | 5.395  | 56   | 70408    | 4.73  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.530  | 117  | 52561    | 5.16  | ug/L   | 100      |
| 33) Benzene                   | 5.780  | 78   | 184416   | 5.20  | ug/L   | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 43871    | 5.00  | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.768  | 83   | 66078    | 4.58  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.796  | 63   | 51550    | 5.43  | ug/L   | 100      |
| 38) Bromodichloromethane      | 7.112  | 83   | 61389    | 5.33  | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 7.613  | 75   | 64024    | 4.76  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.800  | 43   | 411384   | 55.66 | ug/L   | 99       |
| 42) Toluene                   | 7.973  | 91   | 192571   | 5.20  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.214  | 75   | 57638    | 5.02  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 8.404  | 97   | 36192    | 5.36  | ug/L   | 99       |
| 47) Tetrachloroethene         | 8.555  | 164  | 28749    | 4.72  | ug/L   | 95       |
| 48) 2-Hexanone                | 8.694  | 43   | 300375   | 54.61 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.812  | 129  | 37572    | 5.30  | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.928  | 107  | 33765    | 5.31  | ug/L # | 99       |
| 51) Chlorobenzene             | 9.452  | 112  | 113907   | 4.96  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.575  | 91   | 199162   | 4.97  | ug/L   | 98       |
| 53) m,p-Xylene                | 9.697  | 106  | 74136    | 4.86  | ug/L   | 97       |
| 54) o-Xylene                  | 10.105 | 106  | 73171    | 5.03  | ug/L   | 98       |
| 55) Styrene                   | 10.118 | 104  | 128882   | 5.06  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.787 | 83   | 49999    | 5.52  | ug/L   | 97       |
| 59) Bromoform                 | 10.295 | 173  | 19621    | 5.36  | ug/L   | 98       |
| 60) Isopropylbenzene          | 10.488 | 105  | 189787   | 5.15  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.828 | 75   | 36671    | 5.63  | ug/L   | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.092 | 105  | 153583   | 5.01  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.472 | 105  | 158004   | 5.02  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 85948    | 5.00  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.841 | 146  | 85486    | 4.82  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 83565    | 5.12  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 7754     | 5.42  | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.224 | 180  | 59030    | 4.52  | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.844 | 180  | 48496    | 4.40  | ug/L   | 100      |
| 71) Naphthalene               | 14.089 | 128  | 96783    | 4.50  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.333 | 180  | 48047    | 4.73  | ug/L   | 99       |

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

