

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111721\  
 Data File : VU045854.D  
 Acq On : 17 Nov 2021 21:17  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005127

Quant Time: Nov 18 04:08:36 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 18 02:11:55 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253  | 114   | 97392    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 99534    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 52884    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 37878    | 4.909    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 98.200%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 29238    | 5.205    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 104.200% |
| 11) 1,1-Dichloroethene-d2     | 2.571  | 65    | 16001    | 4.944    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 98.800%  |
| 20) 2-Butanone-d5             | 4.645  | 46    | 99892    | 48.307   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 96.620%  |
| 24) Chloroform-d              | 5.067  | 84    | 61265    | 4.766    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.706  | 65    | 35074    | 4.650    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.000%  |
| 32) Benzene-d6                | 5.732  | 84    | 130369   | 4.756    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67    | 40664    | 4.707    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 94.200%  |
| 41) Toluene-d8                | 7.899  | 98    | 121120   | 4.885    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.600%  |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 16517    | 4.710    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 94.200%  |
| 46) 2-Hexanone-d5             | 8.636  | 63    | 74211    | 47.016   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 94.040%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 35143    | 4.815    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 96.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 42560    | 4.687    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 93.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 36668    | 4.624    | ug/L   | 100      |
| 3) Chloromethane              | 1.520  | 50    | 32542    | 3.873    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.607  | 62    | 37440    | 4.439    | ug/L   | 100      |
| 6) Bromomethane               | 1.861  | 94    | 12761    | 2.551    | ug/L   | 98       |
| 8) Chloroethane               | 1.938  | 64    | 23509    | 4.888    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.144  | 101   | 52444    | 4.816    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.584  | 101   | 31254    | 4.895    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.584  | 96    | 28936    | 4.800    | ug/L   | 90       |
| 13) Acetone                   | 2.665  | 43    | 58105    | 47.741   | ug/L   | 97       |
| 14) Carbon disulfide          | 2.797  | 76    | 84129    | 4.412    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.964  | 43    | 14081    | 4.715    | ug/L   | 98       |
| 16) Methylene chloride        | 3.051  | 84    | 34961    | 3.928    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 3.366  | 73    | 77238    | 4.921    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.359  | 96    | 30390    | 4.702    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.874  | 63    | 59083    | 4.880    | ug/L   | 99       |
| 21) 2-Butanone                | 4.723  | 43    | 101520   | 49.574   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.671  | 96    | 33776    | 4.820    | ug/L   | 96       |
| 23) Bromochloromethane        | 4.977  | 128   | 15820    | 5.180    | ug/L   | 97       |
| 25) Chloroform                | 5.092  | 83    | 64279    | 4.894    | ug/L   | 98       |

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 Sample : VSTDCCC005EC  
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 ALS Vial : 29 Sample Multiplier: 1

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 MSVOA\_U  
 ClientSampleId :  
 VSTD005127

Quant Time: Nov 18 04:08:36 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 18 02:11:55 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 40050    | 4.779  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97   | 51349    | 4.748  | ug/L  | 99       |
| 30) Cyclohexane               | 5.391  | 56   | 47883    | 4.464  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.530  | 117  | 43793    | 4.816  | ug/L  | 98       |
| 33) Benzene                   | 5.777  | 78   | 129663   | 4.668  | ug/L  | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 32894    | 4.595  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.767  | 83   | 49654    | 4.517  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 35276    | 4.826  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.108  | 83   | 43024    | 4.770  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 48499    | 4.669  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 239945   | 50.047 | ug/L  | 99       |
| 42) Toluene                   | 7.973  | 91   | 140385   | 4.896  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 42732    | 4.729  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 26393    | 4.864  | ug/L  | 97       |
| 47) Tetrachloroethene         | 8.555  | 164  | 24583    | 4.906  | ug/L  | 95       |
| 48) 2-Hexanone                | 8.687  | 43   | 177168   | 51.152 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.812  | 129  | 30127    | 4.874  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 25006    | 4.891  | ug/L  | 99       |
| 51) Chlorobenzene             | 9.449  | 112  | 87506    | 4.866  | ug/L  | 97       |
| 52) Ethylbenzene              | 9.571  | 91   | 148610   | 4.952  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.697  | 106  | 58702    | 5.107  | ug/L  | 95       |
| 54) o-Xylene                  | 10.102 | 106  | 56365    | 5.081  | ug/L  | 98       |
| 55) Styrene                   | 10.118 | 104  | 97634    | 5.228  | ug/L  | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 35163    | 5.059  | ug/L  | 92       |
| 59) Bromoform                 | 10.291 | 173  | 16463    | 4.700  | ug/L  | 96       |
| 60) Isopropylbenzene          | 10.488 | 105  | 147936   | 4.765  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.825 | 75   | 25595    | 4.662  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 121399   | 4.782  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 121959   | 4.795  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 71345    | 4.926  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 71507    | 4.860  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 67858    | 4.886  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 4826     | 4.225  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 51393    | 4.744  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 43988    | 4.798  | ug/L  | 99       |
| 71) Naphthalene               | 14.086 | 128  | 87311    | 4.635  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 43481    | 4.766  | ug/L  | 98       |

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

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