

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011325\  
 Data File : VU062728.D  
 Acq On : 13 Jan 2025 19:41  
 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005099

Quant Time: Jan 13 20:07:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR010225WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Jan 13 18:58:58 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 6.238  | 114  | 94018    | 5.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.409  | 117  | 89099    | 5.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.804 | 152  | 47021    | 5.000 | ug/L  | 0.00     |

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |        |       |          |          |      |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 21039    | 4.040    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =    | 80.800%  |
| 7) Chloroethane-d5            | 1.901  | 69    | 19201    | 4.584    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =    | 91.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.554  | 65    | 12055    | 4.469    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =    | 89.400%  |
| 20) 2-Butanone-d5             | 4.605  | 46    | 62221    | 58.466   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =    | 116.940% |
| 24) Chloroform-d              | 5.049  | 84    | 67612    | 5.278    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 105.600% |
| 26) 1,2-Dichloroethane-d4     | 5.689  | 65    | 38345    | 5.518    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 110.400% |
| 32) Benzene-d6                | 5.714  | 84    | 109106   | 5.010    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 100.200% |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 32426    | 5.370    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =    | 107.400% |
| 41) Toluene-d8                | 7.888  | 98    | 107816   | 5.081    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 101.600% |
| 43) trans-1,3-Dichloroprop... | 8.171  | 79    | 15821    | 5.256    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =    | 105.200% |
| 46) 2-Hexanone-d5             | 8.621  | 63    | 56030    | 59.184   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =    | 118.360% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 29171    | 5.768    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =    | 115.400% |
| 66) 1,2-Dichlorobenzene-d4    | 12.183 | 152   | 42631    | 5.450    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =    | 109.000% |

| Target Compounds              |       |     |       |        |      | Qvalue |
|-------------------------------|-------|-----|-------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.380 | 85  | 47743 | 5.330  | ug/L | 97     |
| 3) Chloromethane              | 1.518 | 50  | 29463 | 4.902  | ug/L | 98     |
| 5) Vinyl chloride             | 1.599 | 62  | 34056 | 5.032  | ug/L | 94     |
| 6) Bromomethane               | 1.843 | 94  | 10254 | 2.082  | ug/L | 97     |
| 8) Chloroethane               | 1.923 | 64  | 21275 | 5.232  | ug/L | 98     |
| 9) Trichlorofluoromethane     | 2.129 | 101 | 74145 | 5.431  | ug/L | 97     |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.570 | 101 | 34459 | 5.224  | ug/L | 99     |
| 12) 1,1-Dichloroethene        | 2.570 | 96  | 32353 | 5.543  | ug/L | 90     |
| 13) Acetone                   | 2.611 | 43  | 43036 | 51.047 | ug/L | 98     |
| 14) Carbon disulfide          | 2.782 | 76  | 97813 | 5.247  | ug/L | 100    |
| 15) Methyl Acetate            | 2.939 | 43  | 10049 | 5.505  | ug/L | 97     |
| 16) Methylene chloride        | 3.033 | 84  | 34324 | 5.369  | ug/L | 98     |
| 17) Methyl tert-butyl Ether   | 3.348 | 73  | 88344 | 5.508  | ug/L | 98     |
| 18) trans-1,2-Dichloroethene  | 3.341 | 96  | 33487 | 5.356  | ug/L | 96     |
| 19) 1,1-Dichloroethane        | 3.853 | 63  | 60366 | 5.400  | ug/L | 94     |
| 21) 2-Butanone                | 4.685 | 43  | 63527 | 56.580 | ug/L | 99     |
| 22) cis-1,2-Dichloroethene    | 4.653 | 96  | 37287 | 5.476  | ug/L | 95     |
| 23) Bromochloromethane        | 4.962 | 128 | 18700 | 5.817  | ug/L | 94     |
| 25) Chloroform                | 5.071 | 83  | 73009 | 5.307  | ug/L | 98     |

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 Sample : VSTDCCC005EC  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005099

Quant Time: Jan 13 20:07:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR010225WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Jan 13 18:58:58 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.782  | 62   | 48897    | 5.435  | ug/L   | 100      |
| 29) 1,1,1-Trichloroethane     | 5.303  | 97   | 72182    | 5.341  | ug/L   | 98       |
| 30) Cyclohexane               | 5.373  | 56   | 44791    | 5.075  | ug/L   | 94       |
| 31) Carbon tetrachloride      | 5.512  | 117  | 65852    | 5.302  | ug/L   | 100      |
| 33) Benzene                   | 5.762  | 78   | 136543   | 5.334  | ug/L   | 100      |
| 34) Trichloroethene           | 6.531  | 95   | 41678    | 4.766  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.753  | 83   | 52561    | 4.885  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.779  | 63   | 32895    | 5.447  | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.094  | 83   | 53781    | 5.538  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.595  | 75   | 56137    | 5.460  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.775  | 43   | 157509   | 55.837 | ug/L   | 98       |
| 42) Toluene                   | 7.959  | 91   | 152965   | 5.453  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.200  | 75   | 49039    | 5.533  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 8.389  | 97   | 26900    | 5.485  | ug/L   | 96       |
| 47) Tetrachloroethene         | 8.544  | 164  | 31563    | 5.240  | ug/L   | 99       |
| 48) 2-Hexanone                | 8.672  | 43   | 117800   | 58.086 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.798  | 129  | 37044    | 5.625  | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.913  | 107  | 27825    | 5.930  | ug/L # | 99       |
| 51) Chlorobenzene             | 9.438  | 112  | 98682    | 5.380  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.560  | 91   | 171608   | 5.391  | ug/L   | 95       |
| 53) m,p-Xylene                | 9.685  | 106  | 64288    | 5.400  | ug/L   | 98       |
| 54) o-Xylene                  | 10.090 | 106  | 64281    | 5.637  | ug/L   | 98       |
| 55) Styrene                   | 10.103 | 104  | 107903   | 5.657  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 31514    | 5.728  | ug/L # | 97       |
| 59) Bromoform                 | 10.280 | 173  | 23408    | 5.707  | ug/L   | 96       |
| 60) Isopropylbenzene          | 10.473 | 105  | 176784   | 5.456  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.810 | 75   | 23747    | 5.694  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.077 | 105  | 150202   | 5.454  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.457 | 105  | 148556   | 5.576  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.736 | 146  | 82636    | 5.501  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 81244    | 5.363  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 76110    | 5.406  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 6178     | 5.718  | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 58706    | 5.189  | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 43312    | 4.753  | ug/L   | 98       |
| 71) Naphthalene               | 14.080 | 128  | 62151    | 4.662  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 37724    | 4.749  | ug/L   | 97       |

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

