

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U020425\  
 Data File : U063144.D  
 Acq On : 05 Feb 2025 01:34  
 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005128

Quant Time: Feb 05 08:08:56 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR020425WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Feb 05 07:57:12 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.235  | 114            | 88274    | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.405  | 117            | 83555    | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.801 | 152            | 39595    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65             | 24046    | 4.762  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 95.200%  |          |
| 7) Chloroethane-d5            | 1.901  | 69             | 23639    | 5.044  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 100.800% |          |
| 11) 1,1-Dichloroethene-d2     | 2.554  | 65             | 10821    | 4.801  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 96.000%  |          |
| 20) 2-Butanone-d5             | 4.602  | 46             | 79668    | 47.928 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 95.860%  |          |
| 24) Chloroform-d              | 5.045  | 84             | 57973    | 5.193  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 103.800% |          |
| 26) 1,2-Dichloroethane-d4     | 5.689  | 65             | 28801    | 5.016  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 100.400% |          |
| 32) Benzene-d6                | 5.714  | 84             | 109170   | 5.009  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 100.200% |          |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67             | 36170    | 5.034  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 100.600% |          |
| 41) Toluene-d8                | 7.888  | 98             | 97585    | 5.068  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 101.400% |          |
| 43) trans-1,3-Dichloroprop... | 8.168  | 79             | 12986    | 4.823  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 96.400%  |          |
| 46) 2-Hexanone-d5             | 8.618  | 63             | 63415    | 46.800 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 93.600%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.743 | 84             | 30684    | 4.838  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 96.800%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.180 | 152            | 33276    | 5.033  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 100.600% |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 2) Dichlorodifluoromethane    | 1.377  | 85             | 40119    | 5.246  | ug/L     | 100      |
| 3) Chloromethane              | 1.515  | 50             | 40954    | 4.888  | ug/L     | 98       |
| 5) Vinyl chloride             | 1.599  | 62             | 43835    | 5.169  | ug/L     | 98       |
| 6) Bromomethane               | 1.843  | 94             | 15273    | 3.582  | ug/L     | 98       |
| 8) Chloroethane               | 1.920  | 64             | 27082    | 5.301  | ug/L     | 97       |
| 9) Trichlorofluoromethane     | 2.129  | 101            | 51317    | 5.387  | ug/L     | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.570  | 101            | 31007    | 5.295  | ug/L     | 99       |
| 12) 1,1-Dichloroethene        | 2.567  | 96             | 30086    | 5.244  | ug/L     | 98       |
| 13) Acetone                   | 2.612  | 43             | 49898    | 47.669 | ug/L     | 99       |
| 14) Carbon disulfide          | 2.779  | 76             | 106431   | 5.283  | ug/L     | 99       |
| 15) Methyl Acetate            | 2.939  | 43             | 13897    | 4.861  | ug/L     | 97       |
| 16) Methylene chloride        | 3.030  | 84             | 34818    | 5.073  | ug/L     | 96       |
| 17) Methyl tert-butyl Ether   | 3.348  | 73             | 77707    | 4.914  | ug/L     | 100      |
| 18) trans-1,2-Dichloroethene  | 3.338  | 96             | 32758    | 5.339  | ug/L     | 98       |
| 19) 1,1-Dichloroethane        | 3.853  | 63             | 64762    | 5.250  | ug/L     | 99       |
| 21) 2-Butanone                | 4.685  | 43             | 82806    | 47.646 | ug/L     | 98       |
| 22) cis-1,2-Dichloroethene    | 4.653  | 96             | 36847    | 5.384  | ug/L     | 99       |
| 23) Bromochloromethane        | 4.959  | 128            | 15801    | 5.147  | ug/L     | 96       |
| 25) Chloroform                | 5.071  | 83             | 64847    | 5.342  | ug/L     | 100      |

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 MSVOA\_U  
 ClientSampleId :  
 VSTD005128

Quant Time: Feb 05 08:08:56 2025  
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Feb 05 07:57:12 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.779  | 62   | 41319    | 5.166  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.300  | 97   | 52524    | 5.311  | ug/L  | 99       |
| 30) Cyclohexane               | 5.373  | 56   | 54748    | 5.230  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.508  | 117  | 44640    | 5.349  | ug/L  | 99       |
| 33) Benzene                   | 5.759  | 78   | 145113   | 5.278  | ug/L  | 100      |
| 34) Trichloroethene           | 6.531  | 95   | 36371    | 5.208  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.753  | 83   | 53737    | 5.135  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.775  | 63   | 39075    | 5.328  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.094  | 83   | 45065    | 5.118  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.595  | 75   | 51376    | 4.913  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.775  | 43   | 209193   | 48.328 | ug/L  | 100      |
| 42) Toluene                   | 7.959  | 91   | 153475   | 5.340  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.200  | 75   | 43147    | 4.928  | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane     | 8.386  | 97   | 27021    | 4.989  | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.544  | 164  | 26077    | 5.317  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.669  | 43   | 147420   | 48.275 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.798  | 129  | 28539    | 5.006  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.910  | 107  | 25278    | 5.088  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.434  | 112  | 91674    | 5.284  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.560  | 91   | 160735   | 5.347  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.682  | 106  | 59974    | 5.531  | ug/L  | 100      |
| 54) o-Xylene                  | 10.090 | 106  | 56899    | 5.292  | ug/L  | 97       |
| 55) Styrene                   | 10.103 | 104  | 96442    | 5.449  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.769 | 83   | 34275    | 4.930  | ug/L  | 100      |
| 59) Bromoform                 | 10.280 | 173  | 17028    | 4.988  | ug/L  | 97       |
| 60) Isopropylbenzene          | 10.473 | 105  | 152864   | 5.437  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.811 | 75   | 22976    | 4.809  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.077 | 105  | 119049   | 5.368  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.457 | 105  | 118392   | 5.551  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 67498    | 5.298  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 67768    | 5.291  | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 12.200 | 146  | 64238    | 5.396  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 4686     | 4.902  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.209 | 180  | 46217    | 5.310  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.830 | 180  | 36612    | 5.346  | ug/L  | 99       |
| 71) Naphthalene               | 14.077 | 128  | 59820    | 5.322  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.318 | 180  | 33077    | 5.406  | ug/L  | 100      |

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

