

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111821\  
 Data File : VV023593.D  
 Acq On : 18 Nov 2021 10:38  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005362

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/19/2021  
 Supervised By : Mahesh Dadoda 11/19/2021

Quant Time: Nov 19 02:06:05 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR110421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 18 00:20:29 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114            | 120477   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.853  | 117            | 121768   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152            | 67070    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65             | 43777    | 5.800  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 116.000% |          |
| 7) Chloroethane-d5            | 1.567  | 69             | 34361    | 5.586  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 111.800% |          |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63             | 77332    | 5.473  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 109.400% |          |
| 20) 2-Butanone-d5             | 3.895  | 46             | 63696m   | 48.986 | ug/L     | -0.01    |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 97.980%  |          |
| 24) Chloroform-d              | 4.346  | 84             | 78470    | 4.879  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 97.600%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65             | 36618    | 5.063  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 101.200% |          |
| 32) Benzene-d6                | 5.050  | 84             | 155535   | 4.978  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 99.600%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67             | 42972    | 4.672  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 93.400%  |          |
| 41) Toluene-d8                | 7.313  | 98             | 148833   | 5.083  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 101.600% |          |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79             | 17646    | 5.060  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 101.200% |          |
| 46) 2-Hexanone-d5             | 8.088  | 63             | 60874    | 47.443 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 94.880%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84             | 31588    | 4.776  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 95.600%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152            | 54728    | 4.900  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 98.000%  |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.127  | 85             | 48476    | 4.126  | ug/L     | 99       |
| 3) Chloromethane              | 1.240  | 50             | 40753    | 4.080  | ug/L     | 97       |
| 5) Vinyl chloride             | 1.310  | 62             | 44354    | 4.446  | ug/L     | 100      |
| 6) Bromomethane               | 1.522  | 94             | 28319    | 4.441  | ug/L     | 94       |
| 8) Chloroethane               | 1.584  | 64             | 26357    | 4.579  | ug/L     | 98       |
| 9) Trichlorofluoromethane     | 1.754  | 101            | 72247    | 4.820  | ug/L     | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117  | 101            | 37550    | 4.976  | ug/L     | 97       |
| 12) 1,1-Dichloroethene        | 2.117  | 96             | 34488    | 4.800  | ug/L     | 96       |
| 13) Acetone                   | 2.182  | 43             | 41396m   | 52.102 | ug/L     |          |
| 14) Carbon disulfide          | 2.294  | 76             | 109034   | 4.022  | ug/L     | 99       |
| 15) Methyl Acetate            | 2.436  | 43             | 11439m   | 5.087  | ug/L     |          |
| 16) Methylene chloride        | 2.506  | 84             | 40019    | 3.817  | ug/L     | 95       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73             | 74444    | 4.707  | ug/L     | 94       |
| 18) trans-1,2-Dichloroethene  | 2.760  | 96             | 39355    | 4.456  | ug/L     | 94       |
| 19) 1,1-Dichloroethane        | 3.188  | 63             | 67351    | 4.517  | ug/L     | 99       |
| 21) 2-Butanone                | 3.979  | 43             | 60413m   | 47.031 | ug/L     |          |
| 22) cis-1,2-Dichloroethene    | 3.911  | 96             | 38613    | 4.543  | ug/L #   | 92       |
| 23) Bromochloromethane        | 4.249  | 128            | 18923    | 4.828  | ug/L #   | 76       |
| 25) Chloroform                | 4.374  | 83             | 76839    | 4.834  | ug/L     | 99       |

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 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005362

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/19/2021  
 Supervised By : Mahesh Dadoda 11/19/2021

Quant Time: Nov 19 02:06:05 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR110421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 18 00:20:29 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 40527    | 4.794  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 4.606  | 97   | 69981    | 4.732  | ug/L   | 99       |
| 30) Cyclohexane               | 4.677  | 56   | 54528    | 4.115  | ug/L   | 94       |
| 31) Carbon tetrachloride      | 4.825  | 117  | 62361    | 4.695  | ug/L   | 98       |
| 33) Benzene                   | 5.098  | 78   | 154424   | 4.537  | ug/L   | 100      |
| 34) Trichloroethene           | 5.911  | 95   | 40840    | 4.512  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.130  | 83   | 60899    | 4.263  | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 37203    | 4.682  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.509  | 83   | 48898    | 4.592  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 51095    | 4.471  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.226  | 43   | 185786   | 50.416 | ug/L   | 97       |
| 42) Toluene                   | 7.387  | 91   | 176424   | 4.846  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 45074    | 4.753  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 7.837  | 97   | 27273    | 4.777  | ug/L   | 97       |
| 47) Tetrachloroethene         | 7.976  | 164  | 36412    | 4.642  | ug/L   | 98       |
| 48) 2-Hexanone                | 8.140  | 43   | 136120   | 52.716 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.246  | 129  | 35430    | 4.898  | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 24966    | 4.719  | ug/L   | 99       |
| 51) Chlorobenzene             | 8.882  | 112  | 110861   | 4.582  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 178190   | 4.641  | ug/L   | 99       |
| 53) m,p-xylene                | 9.140  | 106  | 69705    | 4.626  | ug/L   | 96       |
| 54) o-xylene                  | 9.545  | 106  | 66083    | 4.675  | ug/L   | 99       |
| 55) Styrene                   | 9.561  | 104  | 117685   | 4.860  | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 29346    | 4.692  | ug/L   | 99       |
| 59) Bromoform                 | 9.731  | 173  | 19360    | 4.833  | ug/L   | 96       |
| 60) Isopropylbenzene          | 9.931  | 105  | 183840   | 4.777  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 21181    | 4.754  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 149193   | 4.675  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.914 | 105  | 152445   | 4.799  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 93532    | 4.756  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 91966    | 4.579  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 83691    | 4.756  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 4358     | 4.591  | ug/L # | 81       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 70408    | 4.573  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 52304    | 4.242  | ug/L   | 99       |
| 71) Naphthalene               | 13.503 | 128  | 70744    | 3.891  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 48494    | 4.495  | ug/L   | 98       |

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

