

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW010822\  
 Data File : VW024316.D  
 Acq On : 08 Jan 2022 14:11  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005295

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/10/2022  
 Supervised By : Mahesh Dadoda 01/10/2022

Quant Time: Jan 10 02:15:13 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR010422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Jan 10 01:53:06 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114            | 96850    | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.853  | 117            | 99072    | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152            | 62477    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65             | 33098    | 4.208  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 84.200%  |          |
| 7) Chloroethane-d5            | 1.571  | 69             | 28995    | 4.690  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 93.800%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.111  | 63             | 71864    | 4.659  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 93.200%  |          |
| 20) 2-Butanone-d5             | 3.905  | 46             | 61770m   | 60.410 | ug/L     | -0.01    |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 120.820% |          |
| 24) Chloroform-d              | 4.352  | 84             | 76078    | 5.162  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 103.200% |          |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65             | 35725    | 5.124  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 102.400% |          |
| 32) Benzene-d6                | 5.050  | 84             | 135242   | 4.873  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 97.400%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67             | 37678    | 5.224  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 104.400% |          |
| 41) Toluene-d8                | 7.317  | 98             | 138148   | 5.012  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 100.200% |          |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79             | 15955    | 4.829  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 96.600%  |          |
| 46) 2-Hexanone-d5             | 8.091  | 63             | 57148    | 55.350 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 110.700% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84             | 28487    | 5.427  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 108.600% |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152            | 55023    | 5.070  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 101.400% |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.130  | 85             | 60355    | 4.962  | ug/L     | 98       |
| 3) Chloromethane              | 1.243  | 50             | 40950    | 5.036  | ug/L     | 94       |
| 5) Vinyl chloride             | 1.314  | 62             | 46091    | 5.142  | ug/L     | 99       |
| 6) Bromomethane               | 1.523  | 94             | 29783    | 5.017  | ug/L     | 97       |
| 8) Chloroethane               | 1.587  | 64             | 29728    | 5.273  | ug/L     | 97       |
| 9) Trichlorofluoromethane     | 1.757  | 101            | 91774    | 5.169  | ug/L     | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.121  | 101            | 47614    | 5.320  | ug/L     | 99       |
| 12) 1,1-Dichloroethene        | 2.121  | 96             | 40827    | 5.337  | ug/L     | 96       |
| 13) Acetone                   | 2.204  | 43             | 60000m   | 61.023 | ug/L     |          |
| 14) Carbon disulfide          | 2.297  | 76             | 88109    | 4.900  | ug/L     | 99       |
| 15) Methyl Acetate            | 2.445  | 43             | 12007m   | 5.818  | ug/L     |          |
| 16) Methylene chloride        | 2.510  | 84             | 53039    | 4.525  | ug/L     | 96       |
| 17) Methyl tert-butyl Ether   | 2.770  | 73             | 93222    | 5.075  | ug/L     | 100      |
| 18) trans-1,2-Dichloroethene  | 2.764  | 96             | 41801    | 5.132  | ug/L     | 99       |
| 19) 1,1-Dichloroethane        | 3.191  | 63             | 77562    | 5.366  | ug/L     | 99       |
| 21) 2-Butanone                | 3.989  | 43             | 65087    | 48.818 | ug/L     | 98       |
| 22) cis-1,2-Dichloroethene    | 3.912  | 96             | 46643    | 5.217  | ug/L     | 96       |
| 23) Bromochloromethane        | 4.249  | 128            | 21237    | 5.343  | ug/L     | 92       |
| 25) Chloroform                | 4.375  | 83             | 90997    | 5.263  | ug/L     | 97       |

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 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005295

Quant Time: Jan 10 02:15:13 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR010422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Jan 10 01:53:06 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/10/2022  
 Supervised By : Mahesh Dadoda 01/10/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.133  | 62   | 50133    | 5.233  | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 4.609  | 97   | 86202    | 5.085  | ug/L   | 99       |
| 30) Cyclohexane               | 4.680  | 56   | 55237    | 5.167  | ug/L   | 96       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 78654    | 5.086  | ug/L   | 99       |
| 33) Benzene                   | 5.101  | 78   | 173454   | 5.312  | ug/L   | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 47788    | 5.230  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.130  | 83   | 66257    | 5.197  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 41063    | 5.419  | ug/L   | 100      |
| 38) Bromodichloromethane      | 6.509  | 83   | 62403    | 5.222  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 60975    | 5.280  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.226  | 43   | 217419   | 56.059 | ug/L   | 97       |
| 42) Toluene                   | 7.387  | 91   | 200853   | 5.342  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 54881    | 5.280  | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 33915    | 5.501  | ug/L   | 95       |
| 47) Tetrachloroethene         | 7.976  | 164  | 44340    | 5.201  | ug/L   | 95       |
| 48) 2-Hexanone                | 8.140  | 43   | 161820   | 56.552 | ug/L   | 96       |
| 49) Dibromochloromethane      | 8.246  | 129  | 45262    | 5.336  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 29517    | 5.280  | ug/L   | 96       |
| 51) Chlorobenzene             | 8.879  | 112  | 138300   | 5.327  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 220857   | 5.351  | ug/L   | 100      |
| 53) m,p-xylene                | 9.136  | 106  | 89438    | 5.412  | ug/L   | 99       |
| 54) o-xylene                  | 9.542  | 106  | 83966    | 5.197  | ug/L   | 97       |
| 55) Styrene                   | 9.561  | 104  | 151103   | 5.534  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 34574    | 5.521  | ug/L # | 99       |
| 59) Bromoform                 | 9.731  | 173  | 24569    | 4.715  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.931  | 105  | 236213   | 5.126  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 25638    | 5.073  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 199962   | 5.060  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.914 | 105  | 210199   | 5.222  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 125352   | 5.124  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 126537   | 5.182  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 113138   | 5.111  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 5560     | 5.021  | ug/L   | 88       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 103912   | 5.131  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 78518    | 4.935  | ug/L   | 97       |
| 71) Naphthalene               | 13.500 | 128  | 104958   | 4.725  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 70627    | 5.150  | ug/L   | 98       |

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

