

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW062122\  
 Data File : VW026502.D  
 Acq On : 21 Jun 2022 20:36  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005332

Quant Time: Jun 22 04:46:47 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR061522WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jun 22 04:36:16 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 06/22/2022  
 Supervised By :Mahesh Dadoda 06/22/2022

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.629  | 114   | 294679   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 262205   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 133971   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.326  | 65    | 77341    | 3.022    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 60.400%  |
| 7) Chloroethane-d5            | 1.587  | 69    | 69077    | 3.432    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 68.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.130  | 63    | 151717   | 3.452    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 69.000%  |
| 20) 2-Butanone-d5             | 3.928  | 46    | 127136   | 50.906   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 101.820% |
| 24) Chloroform-d              | 4.371  | 84    | 174721   | 4.657    | ug/L   | 0.01     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.050  | 65    | 66915    | 4.216    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 84.400%  |
| 32) Benzene-d6                | 5.066  | 84    | 349598   | 4.987    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.079  | 67    | 98808    | 4.830    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 96.600%  |
| 41) Toluene-d8                | 7.320  | 98    | 328855   | 5.145    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 102.800% |
| 43) trans-1,3-Dichloroprop... | 7.632  | 79    | 15600    | 2.351    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 47.000%# |
| 46) 2-Hexanone-d5             | 8.095  | 63    | 106876   | 53.330   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 106.660% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 65425    | 5.191    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.800% |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 105670   | 5.121    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 102.400% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.150  | 85    | 89867    | 4.079    | ug/L   | 100      |
| 3) Chloromethane              | 1.259  | 50    | 77214    | 3.156    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.330  | 62    | 92589    | 3.640    | ug/L   | 99       |
| 6) Bromomethane               | 1.542  | 94    | 49358    | 3.472    | ug/L   | 96       |
| 8) Chloroethane               | 1.606  | 64    | 64568m   | 4.089    | ug/L   |          |
| 9) Trichlorofluoromethane     | 1.773  | 101   | 139444   | 3.971    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.137  | 101   | 84074    | 4.129    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.140  | 96    | 75173    | 4.038    | ug/L   | 90       |
| 13) Acetone                   | 2.217  | 43    | 70186    | 36.263   | ug/L   | 82       |
| 14) Carbon disulfide          | 2.314  | 76    | 178196   | 3.882    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.468  | 43    | 19912    | 4.288    | ug/L   | 96       |
| 16) Methylene chloride        | 2.529  | 84    | 90227    | 3.799    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 2.793  | 73    | 165873   | 5.182    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 2.783  | 96    | 84860    | 4.700    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.214  | 63    | 162610   | 4.722    | ug/L   | 99       |
| 21) 2-Butanone                | 4.011  | 43    | 114600   | 45.760   | ug/L   | 92       |
| 22) cis-1,2-Dichloroethene    | 3.934  | 96    | 95116    | 5.207    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.272  | 128   | 37666    | 4.859    | ug/L   | 90       |
| 25) Chloroform                | 4.397  | 83    | 172437   | 4.616    | ug/L   | 99       |

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 Sample : VSTDCCC005EC  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005332

Manual Integrations  
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Quant Time: Jun 22 04:46:47 2022  
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jun 22 04:36:16 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.149  | 62   | 77364    | 4.550  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 4.625  | 97   | 153048   | 5.283  | ug/L   | 97       |
| 30) Cyclohexane               | 4.693  | 56   | 109524   | 5.054  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 4.844  | 117  | 112439   | 4.582  | ug/L   | 100      |
| 33) Benzene                   | 5.114  | 78   | 357232   | 5.314  | ug/L   | 100      |
| 34) Trichloroethene           | 5.924  | 95   | 93801    | 5.111  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.140  | 83   | 124141   | 4.890  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.185  | 63   | 88182    | 5.015  | ug/L # | 97       |
| 38) Bromodichloromethane      | 6.519  | 83   | 101735   | 4.770  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.037  | 75   | 58500    | 2.915  | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 7.233  | 43   | 333234   | 51.545 | ug/L   | 94       |
| 42) Toluene                   | 7.394  | 91   | 391289   | 5.534  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 7.661  | 75   | 40132    | 2.504  | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 7.844  | 97   | 58659    | 5.083  | ug/L   | 97       |
| 47) Tetrachloroethene         | 7.979  | 164  | 71550    | 5.263  | ug/L   | 99       |
| 48) 2-Hexanone                | 8.143  | 43   | 233372   | 50.384 | ug/L   | 96       |
| 49) Dibromochloromethane      | 8.249  | 129  | 53454    | 4.183  | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.358  | 107  | 50358    | 5.121  | ug/L   | 100      |
| 51) Chlorobenzene             | 8.882  | 112  | 253461   | 5.490  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.014  | 91   | 407011   | 5.742  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.140  | 106  | 156706   | 5.672  | ug/L   | 99       |
| 54) o-Xylene                  | 9.545  | 106  | 154785   | 5.783  | ug/L   | 97       |
| 55) Styrene                   | 9.561  | 104  | 256884   | 5.715  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.243 | 83   | 65155    | 5.566  | ug/L   | 97       |
| 59) Bromoform                 | 9.734  | 173  | 17904    | 3.044  | ug/L   | 97       |
| 60) Isopropylbenzene          | 9.931  | 105  | 418854   | 5.865  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 42515    | 4.890  | ug/L   | 95       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 329757   | 5.819  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 335701   | 5.984  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 195774   | 5.578  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 194122   | 5.443  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 169906   | 5.466  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 7432     | 4.826  | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 152930   | 6.027  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 124784   | 6.668  | ug/L   | 99       |
| 71) Naphthalene               | 13.500 | 128  | 198775   | 7.650  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 98164    | 6.265  | ug/L   | 99       |

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

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