

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW051524\  
 Data File : VW035613.D  
 Acq On : 15 May 2024 08:56  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005394

Manual Integrations  
 APPROVED

Reviewed By :Mahesh  
 Dadoda

05/17/2024  
 Supervised By :Semsettin  
 Yesilyurt

Quant Time: May 16 01:04:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR051424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed May 15 02:29:38 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.532  | 114  | 210653   | 5.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.783  | 117  | 219150   | 5.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.181 | 152  | 115614   | 5.000 | ug/L  | 0.00     |

## System Monitoring Compounds

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 60899    | 4.558    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =    | 91.200%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 58800    | 4.860    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =    | 97.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.056  | 65    | 27376    | 4.612    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =    | 92.200%  |
| 20) 2-Butanone-d5             | 3.834  | 46    | 162139   | 52.069   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =    | 104.140% |
| 24) Chloroform-d              | 4.246  | 84    | 142090   | 5.012    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 100.200% |
| 26) 1,2-Dichloroethane-d4     | 4.944  | 65    | 65297    | 5.023    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 100.400% |
| 32) Benzene-d6                | 4.957  | 84    | 248175   | 4.941    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 98.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.985  | 67    | 78377    | 4.924    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =    | 98.400%  |
| 41) Toluene-d8                | 7.239  | 98    | 225510   | 5.092    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 101.800% |
| 43) trans-1,3-Dichloroprop... | 7.554  | 79    | 29273    | 5.286    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =    | 105.800% |
| 46) 2-Hexanone-d5             | 8.027  | 63    | 129853   | 51.837   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =    | 103.680% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84    | 63329    | 4.911    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =    | 98.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.558 | 152   | 84105    | 4.704    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =    | 94.000%  |

## Target Compounds

|                               |       |     |         |        |        | Qvalue |
|-------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.105 | 85  | 90699   | 5.374  | ug/L   | 99     |
| 3) Chloromethane              | 1.214 | 50  | 96735   | 5.080  | ug/L   | 98     |
| 5) Vinyl chloride             | 1.281 | 62  | 101120  | 5.287  | ug/L   | 100    |
| 6) Bromomethane               | 1.487 | 94  | 65715   | 5.088  | ug/L   | 99     |
| 8) Chloroethane               | 1.548 | 64  | 63563   | 5.139  | ug/L   | 99     |
| 9) Trichlorofluoromethane     | 1.712 | 101 | 130796  | 5.293  | ug/L   | 99     |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066 | 101 | 84267   | 5.424  | ug/L   | 99     |
| 12) 1,1-Dichloroethene        | 2.066 | 96  | 77179   | 5.203  | ug/L   | 97     |
| 13) Acetone                   | 2.162 | 43  | 134153m | 54.265 | ug/L   |        |
| 14) Carbon disulfide          | 2.236 | 76  | 220511  | 5.343  | ug/L   | 100    |
| 15) Methyl Acetate            | 2.391 | 43  | 29368   | 5.176  | ug/L   | 98     |
| 16) Methylene chloride        | 2.442 | 84  | 91430   | 4.376  | ug/L   | 96     |
| 17) Methyl tert-butyl Ether   | 2.703 | 73  | 183355  | 5.355  | ug/L   | 99     |
| 18) trans-1,2-Dichloroethene  | 2.693 | 96  | 82272   | 5.341  | ug/L   | 96     |
| 19) 1,1-Dichloroethane        | 3.108 | 63  | 160572  | 5.233  | ug/L   | 99     |
| 21) 2-Butanone                | 3.905 | 43  | 174583  | 52.476 | ug/L # | 68     |
| 22) cis-1,2-Dichloroethene    | 3.812 | 96  | 85045   | 5.244  | ug/L   | 99     |
| 23) Bromochloromethane        | 4.146 | 128 | 42850   | 5.435  | ug/L   | 96     |
| 25) Chloroform                | 4.272 | 83  | 168617  | 5.254  | ug/L   | 99     |

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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed May 15 02:29:38 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.040  | 62   | 96310    | 5.407  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 4.506  | 97   | 141231   | 5.322  | ug/L  | 99       |
| 30) Cyclohexane               | 4.577  | 56   | 103913   | 5.419  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.728  | 117  | 121756   | 5.271  | ug/L  | 100      |
| 33) Benzene                   | 5.005  | 78   | 335188   | 5.560  | ug/L  | 100      |
| 34) Trichloroethene           | 5.831  | 95   | 94302    | 5.454  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.047  | 83   | 117831   | 5.268  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.092  | 63   | 90698    | 5.611  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.432  | 83   | 118105   | 5.413  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 120111   | 5.563  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.156  | 43   | 447267   | 58.225 | ug/L  | 100      |
| 42) Toluene                   | 7.313  | 91   | 363376   | 5.783  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.580  | 75   | 101617   | 5.583  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 68615    | 5.419  | ug/L  | 99       |
| 47) Tetrachloroethene         | 7.902  | 164  | 72607    | 5.322  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.075  | 43   | 334251   | 59.176 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.175  | 129  | 77839    | 5.560  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 62712    | 5.328  | ug/L  | 98       |
| 51) Chlorobenzene             | 8.812  | 112  | 234457   | 5.370  | ug/L  | 100      |
| 52) Ethylbenzene              | 8.944  | 91   | 360853   | 5.501  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.072  | 106  | 136500   | 5.461  | ug/L  | 98       |
| 54) o-Xylene                  | 9.474  | 106  | 128394   | 5.428  | ug/L  | 91       |
| 55) Styrene                   | 9.493  | 104  | 242506   | 5.886  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 67053    | 4.955  | ug/L  | 98       |
| 59) Bromoform                 | 9.664  | 173  | 44175    | 5.311  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.863  | 105  | 357248   | 5.449  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 55304    | 5.129  | ug/L  | 96       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 268711   | 5.210  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 280117   | 5.488  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 191940   | 5.438  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 196335   | 5.407  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 178168   | 5.284  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 12052    | 5.245  | ug/L  | 92       |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 141096   | 5.284  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 110810   | 5.230  | ug/L  | 99       |
| 71) Naphthalene               | 13.438 | 128  | 145379   | 4.773  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.676 | 180  | 103159   | 5.265  | ug/L  | 100      |

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

