

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW112322\  
 Data File : VW029303.D  
 Acq On : 23 Nov 2022 18:38  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005367

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/25/2022  
 Supervised By : Mahesh Dadoda 11/25/2022

Quant Time: Nov 24 01:35:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112322WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 24 01:27:06 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.609  | 114   | 343772   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.844  | 117   | 300791   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.239 | 152   | 155632   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 96240    | 4.549    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 91.000%  |
| 7) Chloroethane-d5            | 1.564  | 69    | 72514    | 4.682    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 93.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 163927   | 4.842    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 96.800%  |
| 20) 2-Butanone-d5             | 3.912  | 46    | 167467   | 47.319   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 94.640%  |
| 24) Chloroform-d              | 4.339  | 84    | 178647   | 4.731    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65    | 79386    | 4.778    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.600%  |
| 32) Benzene-d6                | 5.043  | 84    | 386670   | 4.651    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.063  | 67    | 108048   | 4.625    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 92.600%  |
| 41) Toluene-d8                | 7.307  | 98    | 367237   | 4.680    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.600%  |
| 43) trans-1,3-Dichloroprop... | 7.616  | 79    | 43377    | 4.816    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 96.400%  |
| 46) 2-Hexanone-d5             | 8.085  | 63    | 155193   | 48.342   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 96.680%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207 | 84    | 66243    | 4.596    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 92.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.612 | 152   | 127054   | 4.673    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 93.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 124812   | 4.866    | ug/L   | 99       |
| 3) Chloromethane              | 1.240  | 50    | 112865   | 4.802    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.307  | 62    | 119652   | 5.109    | ug/L   | 99       |
| 6) Bromomethane               | 1.519  | 94    | 75829    | 5.189    | ug/L   | 100      |
| 8) Chloroethane               | 1.581  | 64    | 72119    | 5.182    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.751  | 101   | 170038   | 5.187    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114  | 101   | 93913    | 5.138    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.114  | 96    | 92504    | 5.233    | ug/L   | 94       |
| 13) Acetone                   | 2.208  | 43    | 113539   | 44.123   | ug/L   | 61       |
| 14) Carbon disulfide          | 2.288  | 76    | 271289   | 5.282    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.439  | 43    | 37722m   | 5.101    | ug/L   |          |
| 16) Methylene chloride        | 2.500  | 84    | 120277   | 4.453    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73    | 238386   | 5.275    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.754  | 96    | 109058   | 5.376    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.182  | 63    | 191785   | 5.252    | ug/L   | 97       |
| 21) 2-Butanone                | 3.992  | 43    | 202263   | 50.209   | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 3.902  | 96    | 122352   | 5.273    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.243  | 128   | 49824    | 5.360    | ug/L   | 99       |
| 25) Chloroform                | 4.365  | 83    | 197470   | 5.180    | ug/L   | 99       |

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Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005367

Quant Time: Nov 24 01:35:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112322WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 24 01:27:06 2022  
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Manual Integrations  
 APPROVED

Reviewed By :John Carlone 11/25/2022  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.124  | 62   | 104707   | 5.069  | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 4.600  | 97   | 178970   | 5.173  | ug/L   | 99       |
| 30) Cyclohexane               | 4.670  | 56   | 175456   | 5.131  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.818  | 117  | 148439   | 5.073  | ug/L   | 98       |
| 33) Benzene                   | 5.092  | 78   | 458939   | 5.101  | ug/L   | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 116569   | 5.079  | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.124  | 83   | 199264   | 5.144  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.166  | 63   | 107179   | 5.057  | ug/L   | 100      |
| 38) Bromodichloromethane      | 6.503  | 83   | 131196   | 5.171  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.021  | 75   | 161602   | 5.217  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 525122   | 52.953 | ug/L   | 100      |
| 42) Toluene                   | 7.378  | 91   | 492660   | 5.103  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.645  | 75   | 129437   | 5.275  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.831  | 97   | 74900    | 5.220  | ug/L   | 98       |
| 47) Tetrachloroethene         | 7.966  | 164  | 95918    | 5.099  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.137  | 43   | 366577   | 53.025 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.239  | 129  | 85568    | 5.302  | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.346  | 107  | 66405    | 5.304  | ug/L # | 99       |
| 51) Chlorobenzene             | 8.873  | 112  | 317191   | 5.256  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.005  | 91   | 537173   | 5.336  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.130  | 106  | 208981   | 5.263  | ug/L   | 100      |
| 54) o-Xylene                  | 9.535  | 106  | 199658   | 5.119  | ug/L   | 98       |
| 55) Styrene                   | 9.551  | 104  | 337187   | 5.122  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.233 | 83   | 75083    | 5.057  | ug/L   | 98       |
| 59) Bromoform                 | 9.722  | 173  | 44024    | 5.384  | ug/L   | 98       |
| 60) Isopropylbenzene          | 9.921  | 105  | 535951   | 5.326  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.265 | 75   | 56532    | 5.237  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.529 | 105  | 457972   | 5.257  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.905 | 105  | 463157   | 5.285  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.172 | 146  | 247493   | 5.272  | ug/L   | 100      |
| 65) 1,4-Dichlorobenzene       | 11.262 | 146  | 242406   | 5.220  | ug/L   | 100      |
| 67) 1,2-Dichlorobenzene       | 11.632 | 146  | 229154   | 5.298  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.416 | 75   | 11511    | 5.430  | ug/L   | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.632 | 180  | 203059   | 5.250  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.249 | 180  | 167267   | 5.337  | ug/L   | 99       |
| 71) Naphthalene               | 13.493 | 128  | 179569   | 6.619  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.731 | 180  | 139203   | 5.456  | ug/L   | 98       |

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

