

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV102023\  
 Data File : VV032510.D  
 Acq On : 20 Oct 2023 08:53  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005291

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/23/2023  
 Supervised By : Mahesh Dadoda 10/25/2023

Quant Time: Oct 20 22:57:49 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Oct 20 06:17:42 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.535  | 114            | 94312    | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.786  | 117            | 104545   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152            | 54572    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65             | 37377    | 4.873  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 97.400%  |          |
| 7) Chloroethane-d5            | 1.532  | 69             | 34200    | 5.493  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 109.800% |          |
| 11) 1,1-Dichloroethene-d2     | 2.056  | 65             | 16173    | 5.000  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 100.000% |          |
| 20) 2-Butanone-d5             | 3.821  | 46             | 102557   | 52.855 | ug/L     | 0.01     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 105.720% |          |
| 24) Chloroform-d              | 4.252  | 84             | 70786    | 5.231  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 104.600% |          |
| 26) 1,2-Dichloroethane-d4     | 4.947  | 65             | 36281    | 5.661  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 113.200% |          |
| 32) Benzene-d6                | 4.963  | 84             | 131092   | 4.261  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 85.200%  |          |
| 36) 1,2-Dichloropropane-d6    | 5.989  | 67             | 41948    | 4.116  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 82.400%  |          |
| 41) Toluene-d8                | 7.246  | 98             | 124487   | 4.426  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 88.600%  |          |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79             | 15401    | 4.264  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 85.200%  |          |
| 46) 2-Hexanone-d5             | 8.030  | 63             | 84630    | 49.803 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 99.600%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156 | 84             | 36046    | 5.056  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 101.200% |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.564 | 152            | 43540    | 4.300  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 86.000%  |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 2) Dichlorodifluoromethane    | 1.105  | 85             | 52795    | 5.023  | ug/L     | 100      |
| 3) Chloromethane              | 1.214  | 50             | 55539    | 5.242  | ug/L     | 98       |
| 5) Vinyl chloride             | 1.281  | 62             | 54297    | 5.373  | ug/L     | 100      |
| 6) Bromomethane               | 1.487  | 94             | 27795    | 4.553  | ug/L     | 98       |
| 8) Chloroethane               | 1.548  | 64             | 34519    | 5.674  | ug/L     | 99       |
| 9) Trichlorofluoromethane     | 1.712  | 101            | 68553    | 5.657  | ug/L     | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066  | 101            | 39724    | 5.410  | ug/L     | 98       |
| 12) 1,1-Dichloroethene        | 2.069  | 96             | 39003    | 5.639  | ug/L     | 91       |
| 13) Acetone                   | 2.150  | 43             | 75610    | 50.558 | ug/L     | 89       |
| 14) Carbon disulfide          | 2.240  | 76             | 107853   | 4.460  | ug/L     | 100      |
| 15) Methyl Acetate            | 2.391  | 43             | 17715    | 5.262  | ug/L     | 98       |
| 16) Methylene chloride        | 2.445  | 84             | 46963    | 5.208  | ug/L     | 96       |
| 17) Methyl tert-butyl Ether   | 2.706  | 73             | 92564    | 4.916  | ug/L     | 98       |
| 18) trans-1,2-Dichloroethene  | 2.693  | 96             | 39124    | 4.938  | ug/L     | 99       |
| 19) 1,1-Dichloroethane        | 3.111  | 63             | 78349    | 5.257  | ug/L     | 99       |
| 21) 2-Butanone                | 3.902  | 43             | 108695   | 46.477 | ug/L     | 95       |
| 22) cis-1,2-Dichloroethene    | 3.818  | 96             | 41182    | 4.828  | ug/L     | 92       |
| 23) Bromochloromethane        | 4.149  | 128            | 18786    | 5.235  | ug/L     | 93       |
| 25) Chloroform                | 4.278  | 83             | 81404    | 5.567  | ug/L     | 100      |

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

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005291

Quant Time: Oct 20 22:57:49 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Oct 20 06:17:42 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :John Carlone 10/23/2023  
 Supervised By :Mahesh Dadoda 10/25/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.047  | 62   | 51002    | 5.904  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 4.513  | 97   | 66415    | 4.672  | ug/L   | 96       |
| 30) Cyclohexane               | 4.583  | 56   | 58753    | 3.761  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 4.738  | 117  | 56580    | 4.704  | ug/L   | 99       |
| 33) Benzene                   | 5.011  | 78   | 168230   | 4.570  | ug/L   | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 42454    | 4.225  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.053  | 83   | 62837m   | 4.041  | ug/L   |          |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 41347    | 4.200  | ug/L # | 97       |
| 38) Bromodichloromethane      | 6.436  | 83   | 59057    | 5.049  | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 6.956  | 75   | 58054    | 4.144  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 291445   | 46.786 | ug/L   | 98       |
| 42) Toluene                   | 7.316  | 91   | 186313   | 4.748  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 7.583  | 75   | 49780    | 4.324  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 7.773  | 97   | 33275    | 4.792  | ug/L   | 98       |
| 47) Tetrachloroethene         | 7.908  | 164  | 33125    | 4.347  | ug/L   | 97       |
| 48) 2-Hexanone                | 8.082  | 43   | 211147   | 48.041 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.178  | 129  | 35294    | 4.882  | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 30227    | 4.602  | ug/L   | 95       |
| 51) Chlorobenzene             | 8.815  | 112  | 115240   | 4.562  | ug/L   | 96       |
| 52) Ethylbenzene              | 8.950  | 91   | 193584   | 4.431  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.075  | 106  | 75481    | 4.658  | ug/L   | 97       |
| 54) o-Xylene                  | 9.480  | 106  | 69690    | 4.463  | ug/L   | 98       |
| 55) Styrene                   | 9.500  | 104  | 123911   | 4.699  | ug/L   | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 10.181 | 83   | 39058    | 5.112  | ug/L   | 94       |
| 59) Bromoform                 | 9.670  | 173  | 18652    | 4.700  | ug/L   | 97       |
| 60) Isopropylbenzene          | 9.869  | 105  | 188510   | 4.445  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.214 | 75   | 28007    | 4.822  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 144703   | 4.186  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.857 | 105  | 145855   | 4.238  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.120 | 146  | 91575    | 4.520  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.213 | 146  | 89978    | 4.427  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.583 | 146  | 83726    | 4.531  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.368 | 75   | 5922     | 4.990  | ug/L   | 85       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 62145    | 4.188  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 52766    | 4.009  | ug/L   | 98       |
| 71) Naphthalene               | 13.445 | 128  | 80258    | 3.590  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.683 | 180  | 47558    | 4.194  | ug/L   | 98       |

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

