

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV111324\  
 Data File : VV038050.D  
 Acq On : 13 Nov 2024 17:05  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005303

Quant Time: Nov 13 17:56:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Nov 13 00:39:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.526  | 114   | 267195   | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.776  | 117   | 270555   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152   | 153913   | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 102689   | 4.415    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 88.400%  |
| 7) Chloroethane-d5            | 1.526  | 69    | 87872    | 4.635    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 92.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.047  | 65    | 44368    | 4.353    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 87.000%  |
| 20) 2-Butanone-d5             | 3.799  | 46    | 274472   | 51.356   | ug/L  | -0.01    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 102.720% |
| 24) Chloroform-d              | 4.236  | 84    | 219698   | 5.012    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 100.200% |
| 26) 1,2-Dichloroethane-d4     | 4.931  | 65    | 108239   | 5.199    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 104.000% |
| 32) Benzene-d6                | 4.947  | 84    | 406769   | 4.866    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 97.400%  |
| 36) 1,2-Dichloropropane-d6    | 5.979  | 67    | 121720   | 4.648    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 93.000%  |
| 41) Toluene-d8                | 7.233  | 98    | 374350   | 4.897    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 98.000%  |
| 43) trans-1,3-Dichloroprop... | 7.548  | 79    | 52593    | 4.954    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 99.000%  |
| 46) 2-Hexanone-d5             | 8.021  | 63    | 252745   | 53.259   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 106.520% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84    | 116491   | 5.377    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 107.600% |
| 66) 1,2-Dichlorobenzene-d4    | 11.551 | 152   | 149331   | 4.666    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 93.400%  |
|                               |        |       |          |          |       |          |
| Target Compounds              | Qvalue |       |          |          |       |          |
| 2) Dichlorodifluoromethane    | 1.101  | 85    | 147199   | 5.053    | ug/L  | 100      |
| 3) Chloromethane              | 1.211  | 50    | 146226   | 5.410    | ug/L  | 99       |
| 5) Vinyl chloride             | 1.278  | 62    | 143029   | 5.272    | ug/L  | 99       |
| 6) Bromomethane               | 1.484  | 94    | 70817    | 4.100    | ug/L  | 98       |
| 8) Chloroethane               | 1.545  | 64    | 91420    | 5.562    | ug/L  | 94       |
| 9) Trichlorofluoromethane     | 1.703  | 101   | 206193   | 5.499    | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.056  | 101   | 111344   | 5.144    | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.056  | 96    | 107635   | 5.299    | ug/L  | 98       |
| 13) Acetone                   | 2.133  | 43    | 181726   | 47.701   | ug/L  | 100      |
| 14) Carbon disulfide          | 2.227  | 76    | 354841   | 5.329    | ug/L  | 100      |
| 15) Methyl Acetate            | 2.381  | 43    | 46409    | 5.579    | ug/L  | 99       |
| 16) Methylene chloride        | 2.436  | 84    | 123499   | 5.134    | ug/L  | 98       |
| 17) Methyl tert-butyl Ether   | 2.696  | 73    | 263832   | 5.331    | ug/L  | 99       |
| 18) trans-1,2-Dichloroethene  | 2.683  | 96    | 116247   | 5.289    | ug/L  | 97       |
| 19) 1,1-Dichloroethane        | 3.098  | 63    | 212125   | 5.372    | ug/L  | 99       |
| 21) 2-Butanone                | 3.883  | 43    | 256088   | 49.777   | ug/L  | 99       |
| 22) cis-1,2-Dichloroethene    | 3.802  | 96    | 125710   | 5.442    | ug/L  | 99       |
| 23) Bromochloromethane        | 4.133  | 128   | 58551    | 5.519    | ug/L  | 98       |
| 25) Chloroform                | 4.262  | 83    | 222928   | 5.347    | ug/L  | 96       |

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 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005303

Quant Time: Nov 13 17:56:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111224WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Nov 13 00:39:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.030  | 62   | 131321   | 5.601  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 4.497  | 97   | 194942   | 5.337  | ug/L  | 98       |
| 30) Cyclohexane               | 4.567  | 56   | 162849   | 5.036  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.719  | 117  | 169776   | 5.338  | ug/L  | 100      |
| 33) Benzene                   | 4.995  | 78   | 475115   | 5.522  | ug/L  | 100      |
| 34) Trichloroethene           | 5.821  | 95   | 124596   | 5.297  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.037  | 83   | 174988   | 4.927  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.082  | 63   | 118683   | 5.576  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.423  | 83   | 154373   | 5.459  | ug/L  | 95       |
| 39) cis-1,3-Dichloropropene   | 6.947  | 75   | 174402   | 5.496  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.149  | 43   | 668521   | 55.861 | ug/L  | 99       |
| 42) Toluene                   | 7.307  | 91   | 504588   | 5.613  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.574  | 75   | 146701   | 5.445  | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane     | 7.760  | 97   | 93716    | 5.488  | ug/L  | 97       |
| 47) Tetrachloroethene         | 7.895  | 164  | 97215    | 5.267  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.072  | 43   | 497786   | 57.815 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.165  | 129  | 106700   | 5.797  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.275  | 107  | 88731    | 5.474  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.805  | 112  | 329348   | 5.377  | ug/L  | 98       |
| 52) Ethylbenzene              | 8.937  | 91   | 523461   | 5.361  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.062  | 106  | 204524   | 5.556  | ug/L  | 94       |
| 54) o-Xylene                  | 9.471  | 106  | 193245   | 5.424  | ug/L  | 99       |
| 55) Styrene                   | 9.487  | 104  | 354696   | 5.715  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.172 | 83   | 114041   | 5.595  | ug/L  | 99       |
| 59) Bromoform                 | 9.657  | 173  | 62936    | 6.220  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.857  | 105  | 514099   | 5.007  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.201 | 75   | 78997    | 5.254  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.468 | 105  | 407260   | 4.953  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.844 | 105  | 423054   | 5.135  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.111 | 146  | 272480   | 5.145  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.201 | 146  | 274781   | 5.043  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.570 | 146  | 258136   | 5.212  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.358 | 75   | 16597    | 4.869  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 12.574 | 180  | 189572   | 4.867  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.191 | 180  | 156808   | 4.534  | ug/L  | 99       |
| 71) Naphthalene               | 13.432 | 128  | 240077   | 3.813  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 141494   | 4.335  | ug/L  | 99       |

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

