

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV092024\  
 Data File : VV037418.D  
 Acq On : 20 Sep 2024 08:50  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005286

Quant Time: Sep 20 23:28:46 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091024WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Sep 20 03:11:07 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114   | 311482   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117   | 320476   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152   | 168729   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 93803    | 5.133    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 102.600% |
| 7) Chloroethane-d5            | 1.529  | 69    | 82264    | 4.318    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 86.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65    | 44409    | 4.706    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 94.200%  |
| 20) 2-Butanone-d5             | 3.822  | 46    | 258287   | 47.295   | ug/L   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 94.580%  |
| 24) Chloroform-d              | 4.240  | 84    | 211396   | 4.765    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.200%  |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 98604    | 4.746    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.000%  |
| 32) Benzene-d6                | 4.953  | 84    | 398381   | 4.636    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 122656   | 4.590    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 91.800%  |
| 41) Toluene-d8                | 7.236  | 98    | 371440   | 4.798    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.000%  |
| 43) trans-1,3-Dichloroprop... | 7.551  | 79    | 41977    | 4.776    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 95.600%  |
| 46) 2-Hexanone-d5             | 8.024  | 63    | 222730   | 51.865   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 103.720% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84    | 102930   | 4.726    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 94.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.554 | 152   | 130754   | 4.359    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 87.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 147073   | 5.083    | ug/L   | 99       |
| 3) Chloromethane              | 1.214  | 50    | 142854   | 4.627    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.278  | 62    | 151395   | 4.990    | ug/L   | 97       |
| 6) Bromomethane               | 1.484  | 94    | 76856    | 4.222    | ug/L   | 98       |
| 8) Chloroethane               | 1.545  | 64    | 97344    | 5.335    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.709  | 101   | 203887   | 5.402    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063  | 101   | 120127   | 5.255    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.063  | 96    | 115552   | 5.294    | ug/L   | 98       |
| 13) Acetone                   | 2.159  | 43    | 190067   | 49.984   | ug/L   | 64       |
| 14) Carbon disulfide          | 2.233  | 76    | 357981   | 5.201    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.388  | 43    | 42385    | 4.867    | ug/L   | 99       |
| 16) Methylene chloride        | 2.439  | 84    | 131048   | 5.222    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 2.700  | 73    | 271802   | 5.238    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.687  | 96    | 124512   | 5.422    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.105  | 63    | 233302   | 5.320    | ug/L   | 99       |
| 21) 2-Butanone                | 3.896  | 43    | 268322   | 46.428   | ug/L   | 94       |
| 22) cis-1,2-Dichloroethene    | 3.806  | 96    | 131642   | 5.302    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.140  | 128   | 60967    | 5.670    | ug/L   | 96       |
| 25) Chloroform                | 4.265  | 83    | 240600   | 5.446    | ug/L   | 97       |

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

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005286

Quant Time: Sep 20 23:28:46 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091024WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Sep 20 03:11:07 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 140772   | 5.631  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 4.503  | 97   | 203112   | 5.345  | ug/L  | 99       |
| 30) Cyclohexane               | 4.571  | 56   | 178912   | 4.853  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.725  | 117  | 171204   | 5.293  | ug/L  | 100      |
| 33) Benzene                   | 5.002  | 78   | 508122   | 5.262  | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 141150   | 5.425  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.043  | 83   | 199279   | 5.038  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.085  | 63   | 128298   | 5.222  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.426  | 83   | 160271   | 5.211  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 168880   | 4.746  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.153  | 43   | 722828   | 51.392 | ug/L  | 96       |
| 42) Toluene                   | 7.307  | 91   | 540265   | 5.379  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.580  | 75   | 134062   | 4.669  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.764  | 97   | 96483    | 5.487  | ug/L  | 98       |
| 47) Tetrachloroethene         | 7.899  | 164  | 98650    | 5.297  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.072  | 43   | 522233   | 50.801 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.169  | 129  | 95275    | 5.172  | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 90751    | 5.463  | ug/L  | 97       |
| 51) Chlorobenzene             | 8.809  | 112  | 353054   | 5.279  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.940  | 91   | 579068   | 5.166  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.066  | 106  | 220469   | 5.345  | ug/L  | 99       |
| 54) o-Xylene                  | 9.471  | 106  | 215213   | 5.270  | ug/L  | 99       |
| 55) Styrene                   | 9.490  | 104  | 374684   | 5.412  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.172 | 83   | 117229   | 5.519  | ug/L  | 95       |
| 59) Bromoform                 | 9.661  | 173  | 47062    | 4.768  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.860  | 105  | 575536   | 5.096  | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 79742    | 5.194  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.471 | 105  | 461113   | 5.149  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.847 | 105  | 459696   | 5.110  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.111 | 146  | 275167   | 5.154  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.204 | 146  | 280641   | 5.126  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.574 | 146  | 255228   | 5.157  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.362 | 75   | 15359    | 4.824  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.577 | 180  | 191814   | 5.038  | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.191 | 180  | 154803   | 4.939  | ug/L  | 100      |
| 71) Naphthalene               | 13.435 | 128  | 208910   | 4.362  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 134058   | 5.169  | ug/L  | 97       |

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

