

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW091722\  
 Data File : VW027927.D  
 Acq On : 18 Sep 2022 02:19  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005295

Quant Time: Sep 19 02:39:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091722WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Sep 19 02:25:21 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 124129   | 5.000    | ug/L   | # 0.00   |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 124114   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 61878    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 32211    | 3.251    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 65.000%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 28041    | 4.003    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 80.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 64768    | 4.155    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 83.000%  |
| 20) 2-Butanone-d5             | 3.896  | 46    | 81893    | 53.511   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 107.020% |
| 24) Chloroform-d              | 4.346  | 84    | 76754    | 4.202    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 84.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.031  | 65    | 46866    | 5.117    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 102.400% |
| 32) Benzene-d6                | 5.050  | 84    | 152601   | 4.459    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 40224    | 4.498    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 90.000%  |
| 41) Toluene-d8                | 7.314  | 98    | 126165   | 3.982    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 79.600%  |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79    | 18110    | 4.731    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 94.600%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 67805    | 53.409   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 106.820% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 26992    | 4.363    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 87.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 51330    | 4.738    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 94.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.130  | 85    | 43315    | 4.348    | ug/L   | 99       |
| 3) Chloromethane              | 1.240  | 50    | 24284    | 3.120    | ug/L   | 89       |
| 5) Vinyl chloride             | 1.311  | 62    | 29668    | 3.330    | ug/L   | 98       |
| 6) Bromomethane               | 1.523  | 94    | 19780    | 4.120    | ug/L   | 98       |
| 8) Chloroethane               | 1.584  | 64    | 20660    | 4.066    | ug/L   | 94       |
| 9) Trichlorofluoromethane     | 1.754  | 101   | 71197    | 4.801    | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.118  | 101   | 32055    | 4.498    | ug/L   | 93       |
| 12) 1,1-Dichloroethene        | 2.118  | 96    | 30595    | 4.498    | ug/L   | 89       |
| 13) Acetone                   | 2.188  | 43    | 50564    | 50.798   | ug/L   | 96       |
| 14) Carbon disulfide          | 2.294  | 76    | 64005    | 3.898    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.439  | 43    | 9721     | 4.448    | ug/L   | # 81     |
| 16) Methylene chloride        | 2.507  | 84    | 39240    | 4.460    | ug/L   | 82       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73    | 92068    | 5.257    | ug/L   | 96       |
| 18) trans-1,2-Dichloroethene  | 2.761  | 96    | 35209    | 4.593    | ug/L   | 87       |
| 19) 1,1-Dichloroethane        | 3.188  | 63    | 68361    | 4.764    | ug/L   | 98       |
| 21) 2-Butanone                | 3.986  | 43    | 69909    | 52.100   | ug/L   | 95       |
| 22) cis-1,2-Dichloroethene    | 3.909  | 96    | 43113    | 4.999    | ug/L   | # 85     |
| 23) Bromochloromethane        | 4.249  | 128   | 19102    | 4.847    | ug/L   | # 78     |
| 25) Chloroform                | 4.372  | 83    | 76341    | 4.435    | ug/L   | 97       |

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 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 33 Sample Multiplier: 1

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 MSVOA\_V  
 ClientSampleId :  
 VSTD005295

Quant Time: Sep 19 02:39:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091722WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Sep 19 02:25:21 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 50784    | 5.216  | ug/L   | 95       |
| 29) 1,1,1-Trichloroethane     | 4.603  | 97   | 71049    | 4.380  | ug/L   | 97       |
| 30) Cyclohexane               | 4.677  | 56   | 36779    | 3.696  | ug/L # | 82       |
| 31) Carbon tetrachloride      | 4.825  | 117  | 63458    | 4.414  | ug/L   | 99       |
| 33) Benzene                   | 5.098  | 78   | 155669   | 4.811  | ug/L   | 100      |
| 34) Trichloroethene           | 5.912  | 95   | 39840    | 4.558  | ug/L   | 92       |
| 35) Methylcyclohexane         | 6.127  | 83   | 49797    | 4.114  | ug/L   | 90       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 34182    | 4.691  | ug/L # | 97       |
| 38) Bromodichloromethane      | 6.506  | 83   | 53768    | 4.729  | ug/L   | 93       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 45863    | 4.183  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 156575   | 44.229 | ug/L # | 88       |
| 42) Toluene                   | 7.387  | 91   | 162355   | 4.570  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 47134    | 4.866  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.838  | 97   | 29851    | 5.275  | ug/L   | 94       |
| 47) Tetrachloroethene         | 7.973  | 164  | 34679    | 4.749  | ug/L   | 96       |
| 48) 2-Hexanone                | 8.140  | 43   | 140055   | 55.131 | ug/L # | 93       |
| 49) Dibromochloromethane      | 8.243  | 129  | 38984    | 5.252  | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 25636    | 5.053  | ug/L # | 97       |
| 51) Chlorobenzene             | 8.879  | 112  | 116886   | 4.808  | ug/L   | 97       |
| 52) Ethylbenzene              | 9.011  | 91   | 180272   | 4.662  | ug/L   | 96       |
| 53) m,p-Xylene                | 9.137  | 106  | 72203    | 4.714  | ug/L   | 97       |
| 54) o-Xylene                  | 9.542  | 106  | 72383    | 4.864  | ug/L   | 99       |
| 55) Styrene                   | 9.558  | 104  | 129862   | 5.050  | ug/L   | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 24973    | 4.300  | ug/L # | 96       |
| 59) Bromoform                 | 9.731  | 173  | 21457    | 5.853  | ug/L   | 95       |
| 60) Isopropylbenzene          | 9.928  | 105  | 193935   | 5.369  | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 21109    | 4.968  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 49868    | 4.714  | ug/L   | 93       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 134522   | 4.524  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 88960    | 4.851  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.272 | 146  | 88916    | 4.784  | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 82373    | 4.878  | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 5028     | 5.548  | ug/L   | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 79324    | 5.338  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 63891    | 5.461  | ug/L   | 99       |
| 71) Naphthalene               | 13.500 | 128  | 85060    | 5.230  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 54957    | 5.517  | ug/L   | 98       |

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

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