

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW100523\  
 Data File : VW032244.D  
 Acq On : 05 Oct 2023 09:48  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005388

Quant Time: Oct 05 14:21:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 05 01:37:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.538  | 114   | 86815    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.789  | 117   | 87788    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152   | 45818    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 34094    | 4.829    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 96.600%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 31031    | 5.414    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 108.200% |
| 11) 1,1-Dichloroethene-d2     | 2.059  | 65    | 14799    | 4.970    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 99.400%  |
| 20) 2-Butanone-d5             | 3.825  | 46    | 95897    | 53.691   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 107.380% |
| 24) Chloroform-d              | 4.252  | 84    | 66665    | 5.352    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 107.000% |
| 26) 1,2-Dichloroethane-d4     | 4.947  | 65    | 31800    | 5.390    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 107.800% |
| 32) Benzene-d6                | 4.963  | 84    | 125256   | 4.849    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.000%  |
| 36) 1,2-Dichloropropane-d6    | 5.992  | 67    | 40488    | 4.731    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 94.600%  |
| 41) Toluene-d8                | 7.246  | 98    | 115020   | 4.869    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.400%  |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 13243    | 4.367    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 87.400%  |
| 46) 2-Hexanone-d5             | 8.030  | 63    | 72186    | 50.588   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 101.180% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156 | 84    | 30648    | 5.120    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 102.400% |
| 66) 1,2-Dichlorobenzene-d4    | 11.564 | 152   | 41092    | 4.833    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 52467    | 5.423    | ug/L   | 99       |
| 3) Chloromethane              | 1.217  | 50    | 51945    | 5.326    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.281  | 62    | 48952    | 5.263    | ug/L   | 100      |
| 6) Bromomethane               | 1.487  | 94    | 29694    | 5.285    | ug/L   | 100      |
| 8) Chloroethane               | 1.548  | 64    | 30302    | 5.411    | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.712  | 101   | 60992    | 5.468    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101   | 36581    | 5.412    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.069  | 96    | 34332    | 5.392    | ug/L   | 96       |
| 13) Acetone                   | 2.156  | 43    | 64760    | 47.043   | ug/L   | 69       |
| 14) Carbon disulfide          | 2.240  | 76    | 112841   | 5.070    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.391  | 43    | 16188    | 5.223    | ug/L   | 96       |
| 16) Methylene chloride        | 2.449  | 84    | 41357    | 4.982    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 2.709  | 73    | 88332    | 5.096    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.693  | 96    | 36460    | 4.999    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.114  | 63    | 71779    | 5.232    | ug/L   | 98       |
| 21) 2-Butanone                | 3.902  | 43    | 101039   | 46.935   | ug/L   | 85       |
| 22) cis-1,2-Dichloroethene    | 3.818  | 96    | 40133    | 5.111    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.153  | 128   | 17778    | 5.381    | ug/L   | 95       |
| 25) Chloroform                | 4.278  | 83    | 70913    | 5.268    | 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 :  
 VSTD005388

Quant Time: Oct 05 14:21:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 05 01:37:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.043  | 62   | 41546    | 5.224  | ug/L  | 96       |
| 29) 1,1,1-Trichloroethane     | 4.516  | 97   | 58918    | 4.936  | ug/L  | 99       |
| 30) Cyclohexane               | 4.584  | 56   | 60453    | 4.609  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.738  | 117  | 50279    | 4.979  | ug/L  | 100      |
| 33) Benzene                   | 5.011  | 78   | 154328   | 4.993  | ug/L  | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 40620    | 4.814  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.050  | 83   | 59148    | 4.530  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 38477    | 4.655  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.436  | 83   | 48777    | 4.966  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.956  | 75   | 53131    | 4.517  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 257351   | 49.198 | ug/L  | 99       |
| 42) Toluene                   | 7.317  | 91   | 161199   | 4.892  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.587  | 75   | 42483    | 4.394  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.773  | 97   | 28727    | 4.927  | ug/L  | 99       |
| 47) Tetrachloroethene         | 7.908  | 164  | 29964    | 4.683  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.082  | 43   | 183077   | 49.606 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.178  | 129  | 30016    | 4.944  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 27344    | 4.958  | ug/L  | 95       |
| 51) Chlorobenzene             | 8.815  | 112  | 102636   | 4.838  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.950  | 91   | 171527   | 4.675  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.075  | 106  | 65262    | 4.796  | ug/L  | 94       |
| 54) o-Xylene                  | 9.480  | 106  | 63034    | 4.807  | ug/L  | 97       |
| 55) Styrene                   | 9.500  | 104  | 111154   | 5.020  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.181 | 83   | 31873    | 4.968  | ug/L  | 99       |
| 59) Bromoform                 | 9.670  | 173  | 16705    | 5.014  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.869  | 105  | 170105   | 4.777  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.214 | 75   | 24025    | 4.926  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.480 | 105  | 134607   | 4.638  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.853 | 105  | 136970   | 4.741  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.120 | 146  | 80702    | 4.744  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.213 | 146  | 81205    | 4.758  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.583 | 146  | 74997    | 4.834  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.368 | 75   | 4449     | 4.465  | ug/L  | 89       |
| 69) 1,3,5-Trichlorobenzene    | 12.586 | 180  | 56158    | 4.508  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 48648    | 4.403  | ug/L  | 99       |
| 71) Naphthalene               | 13.442 | 128  | 73605    | 3.921  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.683 | 180  | 43396    | 4.558  | ug/L  | 99       |

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

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ALS Vial : 2 Sample Multiplier: 1

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