

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW100923\  
 Data File : VW032316.D  
 Acq On : 09 Oct 2023 09:23  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005393

Quant Time: Oct 09 14:03:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Oct 07 05:00:49 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.539  | 114   | 95264    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.789  | 117   | 100574   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152   | 53019    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 33989    | 4.387    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 87.800%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 26017    | 4.137    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 82.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65    | 13077    | 4.002    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 80.000%  |
| 20) 2-Butanone-d5             | 3.799  | 46    | 80460    | 41.053   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 82.100%  |
| 24) Chloroform-d              | 4.256  | 84    | 54727    | 4.004    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 80.000%  |
| 26) 1,2-Dichloroethane-d4     | 4.950  | 65    | 26499    | 4.093    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 81.800%  |
| 32) Benzene-d6                | 4.966  | 84    | 103881   | 3.510    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 70.200%  |
| 36) 1,2-Dichloropropane-d6    | 5.995  | 67    | 32598    | 3.325    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 66.400%  |
| 41) Toluene-d8                | 7.246  | 98    | 102733   | 3.796    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 76.000%  |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 13638    | 3.925    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 78.600%  |
| 46) 2-Hexanone-d5             | 8.031  | 63    | 69261    | 42.368   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 84.740%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156 | 84    | 28874    | 4.210    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 84.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.564 | 152   | 37009    | 3.762    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 75.200%# |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 61169    | 5.762    | ug/L   | 98       |
| 3) Chloromethane              | 1.217  | 50    | 56559    | 5.285    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.282  | 62    | 55093    | 5.398    | ug/L   | 99       |
| 6) Bromomethane               | 1.487  | 94    | 32573    | 5.283    | ug/L   | 98       |
| 8) Chloroethane               | 1.548  | 64    | 34037    | 5.539    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.716  | 101   | 70294    | 5.743    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101   | 43307    | 5.839    | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.073  | 96    | 38054    | 5.447    | ug/L   | 85       |
| 13) Acetone                   | 2.121  | 43    | 95740    | 63.379   | ug/L   | 95       |
| 14) Carbon disulfide          | 2.243  | 76    | 118875   | 4.867    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.381  | 43    | 19662    | 5.782    | ug/L   | 97       |
| 16) Methylene chloride        | 2.449  | 84    | 44166    | 4.849    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 2.706  | 73    | 102129   | 5.369    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.696  | 96    | 40795    | 5.098    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.114  | 63    | 76314    | 5.069    | ug/L   | 98       |
| 21) 2-Butanone                | 3.876  | 43    | 130449   | 55.222   | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 3.818  | 96    | 43682    | 5.069    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.159  | 128   | 19887    | 5.486    | ug/L   | 94       |
| 25) Chloroform                | 4.281  | 83    | 78274    | 5.299    | ug/L   | 95       |

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

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005393

Quant Time: Oct 09 14:03:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Oct 07 05:00:49 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.047  | 62   | 51011    | 5.846  | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 4.516  | 97   | 64758    | 4.736  | ug/L   | 98       |
| 30) Cyclohexane               | 4.587  | 56   | 68490    | 4.558  | ug/L   | 96       |
| 31) Carbon tetrachloride      | 4.741  | 117  | 57484    | 4.968  | ug/L   | 97       |
| 33) Benzene                   | 5.015  | 78   | 162349   | 4.585  | ug/L   | 100      |
| 34) Trichloroethene           | 5.838  | 95   | 47951    | 4.961  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.053  | 83   | 74661    | 4.991  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.098  | 63   | 46810    | 4.943  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.436  | 83   | 58242    | 5.176  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 6.960  | 75   | 66010    | 4.898  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 330139   | 55.090 | ug/L   | 99       |
| 42) Toluene                   | 7.320  | 91   | 185601   | 4.917  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.587  | 75   | 54779    | 4.946  | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 7.773  | 97   | 36586    | 5.477  | ug/L   | 98       |
| 47) Tetrachloroethene         | 7.908  | 164  | 36499    | 4.979  | ug/L   | 98       |
| 48) 2-Hexanone                | 8.079  | 43   | 242763   | 57.416 | ug/L   | 100      |
| 49) Dibromochloromethane      | 8.178  | 129  | 37482    | 5.389  | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.288  | 107  | 34077    | 5.393  | ug/L # | 97       |
| 51) Chlorobenzene             | 8.818  | 112  | 116442   | 4.791  | ug/L   | 99       |
| 52) Ethylbenzene              | 8.950  | 91   | 200070   | 4.760  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.075  | 106  | 75959    | 4.873  | ug/L   | 99       |
| 54) o-Xylene                  | 9.481  | 106  | 71370    | 4.751  | ug/L   | 100      |
| 55) Styrene                   | 9.500  | 104  | 126428   | 4.984  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.182 | 83   | 41087    | 5.590  | ug/L   | 99       |
| 59) Bromoform                 | 9.670  | 173  | 21381    | 5.546  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.870  | 105  | 197379   | 4.790  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.214 | 75   | 30235    | 5.358  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.481 | 105  | 157875   | 4.701  | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 10.854 | 105  | 158042   | 4.727  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.120 | 146  | 95827    | 4.868  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.214 | 146  | 96233    | 4.873  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.583 | 146  | 87749    | 4.888  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.371 | 75   | 6273     | 5.441  | ug/L   | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.587 | 180  | 67881    | 4.709  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.204 | 180  | 58914    | 4.607  | ug/L   | 100      |
| 71) Naphthalene               | 13.445 | 128  | 103508   | 4.765  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.683 | 180  | 54212    | 4.921  | ug/L   | 99       |

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

