

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW042823\  
 Data File : VW030942.D  
 Acq On : 28 Apr 2023 23:52  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005337

Quant Time: Apr 29 01:16:33 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR042823WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Apr 29 01:06:38 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.542  | 114   | 129071   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.792  | 117   | 129521   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194 | 152   | 73133    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.281  | 65    | 46714    | 4.393    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 87.800%  |
| 7) Chloroethane-d5            | 1.539  | 69    | 40690    | 4.691    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 93.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.063  | 65    | 24282    | 4.315    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 86.200%  |
| 20) 2-Butanone-d5             | 3.815  | 46    | 96004    | 50.910   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 101.820% |
| 24) Chloroform-d              | 4.259  | 84    | 101305   | 4.794    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.800%  |
| 26) 1,2-Dichloroethane-d4     | 4.950  | 65    | 53034    | 4.936    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.800%  |
| 32) Benzene-d6                | 4.969  | 84    | 177371   | 4.672    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.400%  |
| 36) 1,2-Dichloropropane-d6    | 5.998  | 67    | 50838    | 4.605    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 92.200%  |
| 41) Toluene-d8                | 7.249  | 98    | 168104   | 4.650    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.000%  |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79    | 19893    | 4.807    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 96.200%  |
| 46) 2-Hexanone-d5             | 8.037  | 63    | 68949    | 47.556   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 95.120%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.162 | 84    | 39490    | 4.935    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 98.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.570 | 152   | 65975    | 4.840    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108  | 85    | 49854    | 4.889    | ug/L   | 99       |
| 3) Chloromethane              | 1.217  | 50    | 55886    | 4.670    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.285  | 62    | 48626    | 4.855    | ug/L   | 99       |
| 6) Bromomethane               | 1.490  | 94    | 22585    | 4.735    | ug/L   | 98       |
| 8) Chloroethane               | 1.555  | 64    | 29332    | 4.812    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.719  | 101   | 91292    | 4.941    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.072  | 101   | 45753    | 4.851    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.076  | 96    | 39201    | 4.513    | ug/L   | 90       |
| 13) Acetone                   | 2.146  | 43    | 60849    | 37.776   | ug/L   | 86       |
| 14) Carbon disulfide          | 2.246  | 76    | 104961   | 4.618    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.391  | 43    | 12641    | 3.857    | ug/L # | 89       |
| 16) Methylene chloride        | 2.455  | 84    | 40126    | 4.084    | ug/L   | 100      |
| 17) Methyl tert-butyl Ether   | 2.712  | 73    | 77361    | 4.679    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 2.703  | 96    | 37753    | 4.758    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.121  | 63    | 74116    | 4.838    | ug/L   | 99       |
| 21) 2-Butanone                | 3.905  | 43    | 74324    | 41.954   | ug/L   | 94       |
| 22) cis-1,2-Dichloroethene    | 3.825  | 96    | 40111    | 4.791    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.162  | 128   | 19401    | 4.922    | ug/L   | 95       |
| 25) Chloroform                | 4.288  | 83    | 81024    | 4.929    | ug/L   | 99       |

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 Sample : VSTDCCC005EC  
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 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005337

Quant Time: Apr 29 01:16:33 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR042823WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Apr 29 01:06:38 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.050  | 62   | 52282    | 5.068  | ug/L   | 100      |
| 29) 1,1,1-Trichloroethane     | 4.522  | 97   | 77495    | 4.762  | ug/L   | 99       |
| 30) Cyclohexane               | 4.593  | 56   | 57216    | 4.654  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 4.744  | 117  | 72223    | 4.940  | ug/L   | 97       |
| 33) Benzene                   | 5.018  | 78   | 161303   | 4.951  | ug/L   | 100      |
| 34) Trichloroethene           | 5.844  | 95   | 41618    | 4.792  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.059  | 83   | 59730    | 4.438  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.101  | 63   | 38484    | 4.980  | ug/L   | 98       |
| 38) Bromodichloromethane      | 6.442  | 83   | 54368    | 4.807  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 6.963  | 75   | 52459    | 4.532  | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone      | 7.169  | 43   | 200380   | 50.046 | ug/L   | 99       |
| 42) Toluene                   | 7.323  | 91   | 177488   | 5.060  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.590  | 75   | 47557    | 4.822  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 7.776  | 97   | 27747    | 4.839  | ug/L   | 99       |
| 47) Tetrachloroethene         | 7.911  | 164  | 39062    | 4.715  | ug/L   | 95       |
| 48) 2-Hexanone                | 8.085  | 43   | 147084   | 47.895 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.181  | 129  | 35297    | 4.893  | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.291  | 107  | 25957    | 5.076  | ug/L # | 96       |
| 51) Chlorobenzene             | 8.821  | 112  | 112901   | 4.748  | ug/L   | 100      |
| 52) Ethylbenzene              | 8.953  | 91   | 182037   | 4.760  | ug/L   | 95       |
| 53) m,p-Xylene                | 9.079  | 106  | 72297    | 4.737  | ug/L   | 98       |
| 54) o-Xylene                  | 9.487  | 106  | 67525    | 4.649  | ug/L   | 92       |
| 55) Styrene                   | 9.503  | 104  | 120729   | 4.926  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.185 | 83   | 32176    | 5.020  | ug/L   | 97       |
| 59) Bromoform                 | 9.673  | 173  | 21942    | 5.097  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.876  | 105  | 189267   | 4.800  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.217 | 75   | 22240    | 4.841  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.484 | 105  | 147584   | 4.598  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.860 | 105  | 151855   | 4.669  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.124 | 146  | 98782    | 4.878  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.217 | 146  | 98124    | 4.803  | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 11.587 | 146  | 89495    | 4.915  | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.374 | 75   | 5311     | 4.555  | ug/L # | 81       |
| 69) 1,3,5-Trichlorobenzene    | 12.590 | 180  | 75244    | 4.693  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.207 | 180  | 58042    | 4.711  | ug/L   | 99       |
| 71) Naphthalene               | 13.448 | 128  | 72011    | 4.076  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.689 | 180  | 47706    | 4.574  | ug/L   | 99       |

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

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