

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW041123\  
 Data File : VW030486.D  
 Acq On : 11 Apr 2023 09:50  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005328

Quant Time: Apr 12 04:55:04 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Apr 11 06:24:59 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.542  | 114   | 104324   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.792  | 117   | 105293   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194 | 152   | 61464    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.282  | 65    | 28004    | 4.053    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 81.000%  |
| 7) Chloroethane-d5            | 1.536  | 69    | 31394    | 4.682    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 93.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.066  | 63    | 79420    | 4.844    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 96.800%  |
| 20) 2-Butanone-d5             | 3.828  | 46    | 88815    | 49.732   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 99.460%  |
| 24) Chloroform-d              | 4.259  | 84    | 87029    | 5.204    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 104.000% |
| 26) 1,2-Dichloroethane-d4     | 4.950  | 65    | 42326    | 5.365    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 107.200% |
| 32) Benzene-d6                | 4.969  | 84    | 149197   | 5.028    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.600% |
| 36) 1,2-Dichloropropane-d6    | 5.995  | 67    | 46732    | 5.031    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 100.600% |
| 41) Toluene-d8                | 7.249  | 98    | 142864   | 5.243    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 104.800% |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79    | 16260    | 4.649    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 93.000%  |
| 46) 2-Hexanone-d5             | 8.034  | 63    | 71667    | 50.995   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 101.980% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159 | 84    | 36472    | 4.982    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.570 | 152   | 54563    | 4.967    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 99.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108  | 85    | 64997    | 4.901    | ug/L   | 99       |
| 3) Chloromethane              | 1.217  | 50    | 70796    | 4.230    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.285  | 62    | 59866    | 4.907    | ug/L   | 98       |
| 6) Bromomethane               | 1.491  | 94    | 22417    | 6.442    | ug/L   | 99       |
| 8) Chloroethane               | 1.555  | 64    | 36765    | 5.261    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.719  | 101   | 100036   | 5.625    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.072  | 101   | 53758    | 5.476    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.072  | 96    | 48155    | 5.524    | ug/L   | 94       |
| 13) Acetone                   | 2.156  | 43    | 91955    | 53.845   | ug/L   | 80       |
| 14) Carbon disulfide          | 2.246  | 76    | 144191   | 5.022    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.391  | 43    | 16769    | 5.495    | ug/L   | 92       |
| 16) Methylene chloride        | 2.452  | 84    | 51533    | 4.998    | ug/L   | 100      |
| 17) Methyl tert-butyl Ether   | 2.712  | 73    | 92060    | 4.987    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.699  | 96    | 46519    | 5.066    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.117  | 63    | 90206    | 5.067    | ug/L   | 98       |
| 21) 2-Butanone                | 3.902  | 43    | 113181   | 52.655   | ug/L   | 92       |
| 22) cis-1,2-Dichloroethene    | 3.825  | 96    | 46928    | 5.092    | ug/L   | 99       |
| 23) Bromochloromethane        | 4.156  | 128   | 22527    | 5.234    | ug/L   | 90       |
| 25) Chloroform                | 4.285  | 83    | 98023    | 5.449    | ug/L   | 96       |

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

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005328

Quant Time: Apr 12 04:55:04 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR032323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Apr 11 06:24:59 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.050  | 62   | 57964    | 5.329  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 4.519  | 97   | 91183    | 5.388  | ug/L  | 99       |
| 30) Cyclohexane               | 4.590  | 56   | 71913    | 4.665  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 4.744  | 117  | 82695    | 5.385  | ug/L  | 99       |
| 33) Benzene                   | 5.018  | 78   | 195753   | 5.234  | ug/L  | 100      |
| 34) Trichloroethene           | 5.838  | 95   | 50154    | 4.973  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.056  | 83   | 75362    | 4.760  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.101  | 63   | 48981    | 5.102  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.439  | 83   | 64692    | 5.145  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.960  | 75   | 65035    | 4.817  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.169  | 43   | 254065   | 50.218 | ug/L  | 97       |
| 42) Toluene                   | 7.320  | 91   | 218894   | 5.495  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.587  | 75   | 56634    | 4.930  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.776  | 97   | 34854    | 5.156  | ug/L  | 97       |
| 47) Tetrachloroethene         | 7.911  | 164  | 47705    | 5.359  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.085  | 43   | 211446   | 55.805 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.185  | 129  | 42961    | 5.339  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.291  | 107  | 31656    | 5.147  | ug/L  | 95       |
| 51) Chlorobenzene             | 8.821  | 112  | 135366   | 5.307  | ug/L  | 98       |
| 52) Ethylbenzene              | 8.953  | 91   | 226742   | 5.203  | ug/L  | 98       |
| 53) m,p-Xylene                | 9.079  | 106  | 91089    | 5.460  | ug/L  | 98       |
| 54) o-Xylene                  | 9.487  | 106  | 83897    | 5.256  | ug/L  | 99       |
| 55) Styrene                   | 9.503  | 104  | 150680   | 5.557  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.185 | 83   | 39347    | 4.904  | ug/L  | 99       |
| 59) Bromoform                 | 9.673  | 173  | 25612    | 5.156  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.873  | 105  | 228074   | 5.032  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.217 | 75   | 26537    | 4.829  | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.484 | 105  | 182870   | 4.944  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.860 | 105  | 189009   | 5.014  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.124 | 146  | 119825   | 5.301  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.217 | 146  | 120469   | 5.290  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.587 | 146  | 106442   | 5.226  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.374 | 75   | 6685     | 4.891  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.590 | 180  | 92413    | 5.310  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.207 | 180  | 66350    | 4.938  | ug/L  | 98       |
| 71) Naphthalene               | 13.448 | 128  | 84006    | 4.377  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.689 | 180  | 56697    | 4.871  | ug/L  | 99       |

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

