

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW093022\  
 Data File : VW028241.D  
 Acq On : 30 Sep 2022 21:08  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005313

Quant Time: Sep 30 23:04:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092222WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Sep 29 01:25:35 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.609  | 114   | 158290   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.847  | 117   | 166352   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 91504    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.301  | 65    | 67912    | 4.138    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 82.800%  |
| 7) Chloroethane-d5            | 1.561  | 69    | 60056    | 4.603    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 92.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.101  | 63    | 122717   | 4.312    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 86.200%  |
| 20) 2-Butanone-d5             | 3.899  | 46    | 130168   | 46.984   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 93.960%  |
| 24) Chloroform-d              | 4.339  | 84    | 124015   | 4.736    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65    | 55465    | 4.451    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.000%  |
| 32) Benzene-d6                | 5.043  | 84    | 246627   | 4.522    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.063  | 67    | 65660    | 3.861    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 77.200%  |
| 41) Toluene-d8                | 7.310  | 98    | 219086   | 4.437    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 88.800%  |
| 43) trans-1,3-Dichloroprop... | 7.619  | 79    | 24226    | 3.944    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 78.800%  |
| 46) 2-Hexanone-d5             | 8.085  | 63    | 115778   | 45.161   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 90.320%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 50009    | 4.302    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 86.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 85790    | 4.780    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 95.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.124  | 85    | 53635    | 4.537    | ug/L   | 93       |
| 3) Chloromethane              | 1.236  | 50    | 47402    | 3.028    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.304  | 62    | 57807    | 4.709    | ug/L   | 98       |
| 6) Bromomethane               | 1.516  | 94    | 26215    | 3.280    | ug/L   | 99       |
| 8) Chloroethane               | 1.577  | 64    | 39745    | 4.829    | ug/L   | 88       |
| 9) Trichlorofluoromethane     | 1.748  | 101   | 100453   | 5.154    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.108  | 101   | 60361    | 5.374    | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.111  | 96    | 53609    | 4.901    | ug/L   | 78       |
| 13) Acetone                   | 2.195  | 43    | 88000    | 41.237   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.285  | 76    | 99311    | 4.731    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.436  | 43    | 18754    | 4.527    | ug/L # | 78       |
| 16) Methylene chloride        | 2.500  | 84    | 65434    | 5.358    | ug/L   | 89       |
| 17) Methyl tert-butyl Ether   | 2.764  | 73    | 130173   | 5.532    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 2.751  | 96    | 51275    | 5.355    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.182  | 63    | 109970   | 5.264    | ug/L   | 98       |
| 21) 2-Butanone                | 3.982  | 43    | 116700   | 44.172   | ug/L   | 92       |
| 22) cis-1,2-Dichloroethene    | 3.902  | 96    | 61320    | 4.880    | ug/L   | 96       |
| 23) Bromochloromethane        | 4.243  | 128   | 27808    | 5.527    | ug/L # | 80       |
| 25) Chloroform                | 4.368  | 83    | 117245   | 5.230    | ug/L   | 99       |

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 Sample : VSTDCCC005  
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 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005313

Quant Time: Sep 30 23:04:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092222WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Sep 29 01:25:35 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 58806    | 4.920  | ug/L # | 90       |
| 29) 1,1,1-Trichloroethane     | 4.600  | 97   | 98698    | 4.829  | ug/L   | 97       |
| 30) Cyclohexane               | 4.670  | 56   | 62244    | 4.211  | ug/L   | 88       |
| 31) Carbon tetrachloride      | 4.821  | 117  | 81636    | 4.854  | ug/L   | 100      |
| 33) Benzene                   | 5.092  | 78   | 221021   | 4.785  | ug/L   | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 52774    | 4.590  | ug/L   | 94       |
| 35) Methylcyclohexane         | 6.124  | 83   | 64196    | 4.071  | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 6.165  | 63   | 52962    | 4.090  | ug/L # | 97       |
| 38) Bromodichloromethane      | 6.503  | 83   | 72041    | 4.506  | ug/L # | 94       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 68196    | 4.240  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 267566   | 42.547 | ug/L # | 93       |
| 42) Toluene                   | 7.384  | 91   | 240883   | 4.999  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 59974    | 4.335  | ug/L   | 94       |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 43624    | 5.025  | ug/L   | 96       |
| 47) Tetrachloroethene         | 7.969  | 164  | 44590    | 4.858  | ug/L   | 99       |
| 48) 2-Hexanone                | 8.136  | 43   | 213843   | 44.793 | ug/L # | 94       |
| 49) Dibromochloromethane      | 8.239  | 129  | 49527    | 4.745  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 36453    | 4.832  | ug/L   | 98       |
| 51) Chlorobenzene             | 8.876  | 112  | 166415   | 5.149  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.008  | 91   | 237848   | 4.666  | ug/L   | 97       |
| 53) m,p-Xylene                | 9.136  | 106  | 105666   | 5.409  | ug/L   | 96       |
| 54) o-Xylene                  | 9.538  | 106  | 93277    | 4.835  | ug/L   | 98       |
| 55) Styrene                   | 9.558  | 104  | 168566   | 5.043  | ug/L   | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 10.236 | 83   | 49975    | 4.941  | ug/L   | 99       |
| 59) Bromoform                 | 9.731  | 173  | 27952    | 4.811  | ug/L   | 97       |
| 60) Isopropylbenzene          | 9.927  | 105  | 255466   | 4.756  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 36916    | 4.810  | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 10.535 | 105  | 69361    | 4.585  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 211193   | 4.994  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 142867   | 5.346  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.268 | 146  | 140167   | 5.242  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.638 | 146  | 133442   | 5.286  | ug/L   | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 7344     | 4.366  | ug/L   | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 103790   | 4.906  | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 82188    | 4.858  | ug/L   | 98       |
| 71) Naphthalene               | 13.496 | 128  | 120738   | 4.358  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 75820    | 4.955  | ug/L   | 98       |

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

