

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW041222\  
 Data File : VW025464.D  
 Acq On : 12 Apr 2022 09:44  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005372

Quant Time: Apr 13 02:28:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR040822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Apr 12 07:03:45 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.612  | 114   | 143517   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 146286   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 80375    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 55172    | 4.135    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 82.600%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 52396    | 3.691    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 73.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.111  | 63    | 124946   | 4.675    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 93.400%  |
| 20) 2-Butanone-d5             | 3.889  | 46    | 82338    | 50.731   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 101.460% |
| 24) Chloroform-d              | 4.346  | 84    | 93372    | 4.631    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.031  | 65    | 41022    | 4.722    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.400%  |
| 32) Benzene-d6                | 5.047  | 84    | 174088   | 4.113    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 82.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 50760    | 4.300    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 86.000%  |
| 41) Toluene-d8                | 7.310  | 98    | 161385   | 4.109    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 82.200%  |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79    | 16790    | 4.232    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 84.600%  |
| 46) 2-Hexanone-d5             | 8.085  | 63    | 61528    | 44.186   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 88.380%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 33280    | 4.463    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 89.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 55453    | 4.115    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 82.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.130  | 85    | 73581    | 5.676    | ug/L   | 98       |
| 3) Chloromethane              | 1.243  | 50    | 86898    | 6.169    | ug/L   | 97       |
| 5) Vinyl chloride             | 1.314  | 62    | 94493    | 5.936    | ug/L   | 98       |
| 6) Bromomethane               | 1.523  | 94    | 58014    | 5.054    | ug/L   | 99       |
| 8) Chloroethane               | 1.587  | 64    | 63905    | 5.201    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.754  | 101   | 138953   | 6.215    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117  | 101   | 75767    | 6.032    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.117  | 96    | 72454    | 5.820    | ug/L   | 85       |
| 13) Acetone                   | 2.185  | 43    | 61947    | 56.233   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.294  | 76    | 157418   | 5.283    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.442  | 43    | 15016    | 6.133    | ug/L   | 89       |
| 16) Methylene chloride        | 2.507  | 84    | 55745    | 4.619    | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73    | 95974    | 4.983    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 2.757  | 96    | 56423    | 5.409    | ug/L   | 94       |
| 19) 1,1-Dichloroethane        | 3.188  | 63    | 96717    | 5.474    | ug/L   | 98       |
| 21) 2-Butanone                | 3.973  | 43    | 79984    | 52.545   | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 3.908  | 96    | 57610    | 5.246    | ug/L   | 95       |
| 23) Bromochloromethane        | 4.246  | 128   | 24773    | 5.434    | ug/L   | 97       |
| 25) Chloroform                | 4.371  | 83    | 105180   | 5.640    | ug/L   | 97       |

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 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005372

Quant Time: Apr 13 02:28:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR040822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Apr 12 07:03:45 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 54870    | 5.577  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 4.606  | 97   | 94947    | 5.503  | ug/L  | 99       |
| 30) Cyclohexane               | 4.670  | 56   | 77510    | 4.941  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.822  | 117  | 81529    | 5.587  | ug/L  | 97       |
| 33) Benzene                   | 5.095  | 78   | 226663   | 5.245  | ug/L  | 100      |
| 34) Trichloroethene           | 5.912  | 95   | 61260    | 5.339  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.127  | 83   | 91639    | 5.005  | ug/L  | 96       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 51843    | 5.186  | ug/L  | 97       |
| 38) Bromodichloromethane      | 6.506  | 83   | 67313    | 5.424  | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 66656    | 5.088  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 214973   | 53.706 | ug/L  | 97       |
| 42) Toluene                   | 7.384  | 91   | 247245   | 5.260  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 53104    | 5.217  | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane     | 7.837  | 97   | 35855    | 5.356  | ug/L  | 98       |
| 47) Tetrachloroethene         | 7.973  | 164  | 47103    | 5.244  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.136  | 43   | 150468   | 53.940 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.243  | 129  | 39604    | 5.389  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 31478    | 5.006  | ug/L  | 98       |
| 51) Chlorobenzene             | 8.879  | 112  | 155702   | 5.188  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.008  | 91   | 253158   | 5.050  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.133  | 106  | 100029   | 5.248  | ug/L  | 99       |
| 54) o-Xylene                  | 9.542  | 106  | 96488    | 5.212  | ug/L  | 94       |
| 55) Styrene                   | 9.558  | 104  | 162134   | 5.386  | ug/L  | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 34447    | 5.150  | ug/L  | 99       |
| 59) Bromoform                 | 9.728  | 173  | 17255    | 5.201  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.927  | 105  | 257156   | 5.169  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 27425    | 5.181  | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.535 | 105  | 107299   | 4.837  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 201570   | 5.043  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 118899   | 5.120  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.268 | 146  | 118075   | 5.009  | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 104918   | 5.101  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 4686     | 5.120  | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 86785    | 4.912  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 63563    | 4.667  | ug/L  | 99       |
| 71) Naphthalene               | 13.500 | 128  | 88165    | 4.412  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 54172    | 4.803  | ug/L  | 99       |

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

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 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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