

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042722\  
 Data File : VW022634.D  
 Acq On : 27 Apr 2022 09:26  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025501

Quant Time: Apr 28 01:05:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Apr 27 01:34:11 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/28/2022  
 Supervised By :Mahesh Dadoda 05/04/2022

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 320690   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 316111   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 180430   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 148496   | 20.946   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 83.800%  |
| 7) Chloroethane-d5            | 2.891  | 69    | 107827   | 24.268   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 97.080%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 224123   | 24.374   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 97.480%  |
| 21) 2-Butanone-d5             | 7.074  | 46    | 69994    | 56.550   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 113.100% |
| 24) Chloroform-d              | 7.647  | 84    | 267857   | 26.722   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 106.880% |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 143807   | 25.110   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 100.440% |
| 32) Benzene-d6                | 8.275  | 84    | 498964   | 25.835   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 103.360% |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 141580   | 25.332   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 101.320% |
| 41) Toluene-d8                | 10.323 | 98    | 485088   | 25.645   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 102.600% |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 65196    | 24.717   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 98.880%  |
| 47) 2-Hexanone-d5             | 10.920 | 63    | 58255    | 56.022   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 112.040% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 134635   | 28.331   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 113.320% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 173329   | 27.121   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 108.480% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.014  | 85    | 30447    | 19.368   | ug/L   | 94       |
| 3) Chloromethane              | 2.221  | 50    | 72607    | 18.525   | ug/L   | 97       |
| 5) Vinyl chloride             | 2.367  | 62    | 157572   | 19.267   | ug/L   | 94       |
| 6) Bromomethane               | 2.782  | 94    | 95740    | 19.257   | ug/L   | 97       |
| 8) Chloroethane               | 2.928  | 64    | 77483    | 21.641   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.263  | 101   | 84732    | 28.063   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068  | 101   | 120690   | 25.102   | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 105313   | 24.390   | ug/L   | 91       |
| 13) Acetone                   | 4.129  | 43    | 47544    | 56.417   | ug/L   | 91       |
| 14) Carbon disulfide          | 4.385  | 76    | 253280   | 17.831   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.672  | 43    | 48391    | 22.882   | ug/L   | 94       |
| 16) Methylene chloride        | 4.922  | 84    | 117006   | 24.247   | ug/L   | 88       |
| 17) trans-1,2-Dichloroethene  | 5.434  | 96    | 114589m  | 22.654   | ug/L   |          |
| 18) Methyl tert-butyl Ether   | 5.434  | 73    | 193696   | 23.447   | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 208560   | 22.597   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 130360   | 24.402   | ug/L # | 92       |
| 22) 2-Butanone                | 7.171  | 43    | 67640    | 53.143   | ug/L   | 96       |
| 23) Bromochloromethane        | 7.513  | 128   | 57629    | 25.066   | ug/L   | 89       |
| 25) Chloroform                | 7.677  | 83    | 232319   | 23.899   | ug/L   | 98       |

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 151810   | 22.220 | ug/L   | 96       |
| 29) Cyclohexane               | 7.958  | 56   | 174003   | 19.232 | ug/L   | 93       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 202086   | 23.046 | ug/L   | 96       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 185780   | 23.605 | ug/L   | 99       |
| 33) Benzene                   | 8.323  | 78   | 483380   | 22.523 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 131054   | 22.806 | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.335  | 83   | 215853   | 20.936 | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 118190   | 22.987 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 172654   | 23.351 | ug/L # | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 189576   | 23.236 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 149218   | 47.556 | ug/L   | 94       |
| 42) Toluene                   | 10.384 | 91   | 554657   | 22.554 | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 172323   | 23.589 | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 99434    | 25.340 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.860 | 164  | 98219    | 23.252 | ug/L   | 97       |
| 48) 2-Hexanone                | 10.969 | 43   | 100279   | 45.300 | ug/L   | 93       |
| 49) Dibromochloromethane      | 11.128 | 129  | 125796   | 26.880 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 97732    | 25.223 | ug/L   | 92       |
| 51) Chlorobenzene             | 11.652 | 112  | 366843   | 24.410 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.725 | 91   | 630363   | 22.868 | ug/L   | 96       |
| 53) m,p-Xylene                | 11.835 | 106  | 248296   | 23.689 | ug/L   | 93       |
| 54) o-Xylene                  | 12.164 | 106  | 240216   | 23.983 | ug/L   | 89       |
| 55) Styrene                   | 12.176 | 104  | 411144   | 24.026 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 123329   | 25.607 | ug/L   | 98       |
| 59) Bromoform                 | 12.347 | 173  | 66512    | 24.808 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 671985   | 22.420 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 89525    | 23.325 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 374295   | 22.707 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 557349   | 22.235 | ug/L   | 96       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 290886   | 23.913 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 284806   | 23.477 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 265080   | 24.367 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 20397    | 22.914 | ug/L # | 85       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 194656   | 24.527 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 157986   | 23.702 | ug/L   | 96       |
| 71) Naphthalene               | 15.359 | 128  | 346490   | 24.646 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 139688   | 24.518 | ug/L   | 97       |

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

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