

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW101723\  
 Data File : VW027305.D  
 Acq On : 17 Oct 2023 11:11  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025524

Quant Time: Oct 18 05:25:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM101123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Oct 16 01:55:11 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 537865   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 477087   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 232334   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 196822   | 23.977   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 95.920%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 148953   | 25.272   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 101.080% |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 96727    | 23.517   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 94.080%  |
| 21) 2-Butanone-d5             | 7.069  | 46    | 119612   | 43.840   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 87.680%  |
| 24) Chloroform-d              | 7.648  | 84    | 385455   | 24.044   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 96.160%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 196728   | 22.845   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 91.360%  |
| 32) Benzene-d6                | 8.270  | 84    | 794610   | 24.617   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 98.480%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 238943   | 24.236   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 96.960%  |
| 41) Toluene-d8                | 10.319 | 98    | 704705   | 24.075   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 96.320%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 104271   | 23.196   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 92.800%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 93730    | 45.951   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 91.900%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 172210   | 23.412   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 93.640%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 209514   | 24.885   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 99.520%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.021  | 85    | 136476   | 21.326   | ug/L # | 83       |
| 3) Chloromethane              | 2.223  | 50    | 172048   | 23.393   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.375  | 62    | 201278   | 24.501   | ug/L   | 99       |
| 6) Bromomethane               | 2.790  | 94    | 112372   | 24.015   | ug/L   | 98       |
| 8) Chloroethane               | 2.936  | 64    | 115202   | 24.361   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 156730   | 27.042   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 180017   | 24.804   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 175838   | 24.931   | ug/L   | 85       |
| 13) Acetone                   | 4.119  | 43    | 128590   | 54.568   | ug/L   | 99       |
| 14) Carbon disulfide          | 4.387  | 76    | 509708   | 23.312   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.667  | 43    | 91064    | 22.625   | ug/L   | 99       |
| 16) Methylene chloride        | 4.917  | 84    | 179129   | 18.194   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 182236   | 24.042   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 289095   | 22.106   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 370837   | 23.979   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 205063   | 23.956   | ug/L   | 94       |
| 22) 2-Butanone                | 7.167  | 43    | 154397   | 43.773   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.508  | 128   | 82349    | 23.301   | ug/L   | 98       |
| 25) Chloroform                | 7.673  | 83    | 341396   | 23.586   | ug/L   | 98       |

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 MSVOA\_W  
 ClientSampleId :  
 VSTD025524

Quant Time: Oct 18 05:25:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM101123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Oct 16 01:55:11 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 225514   | 22.936 | ug/L  | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 347631   | 23.998 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 290393   | 24.953 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.063  | 117  | 255968   | 24.393 | ug/L  | 99       |
| 33) Benzene                   | 8.325  | 78   | 768862   | 24.659 | ug/L  | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 204954   | 24.885 | ug/L  | 94       |
| 35) Methylcyclohexane         | 9.337  | 83   | 355114   | 24.111 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 205237   | 24.345 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 251771   | 24.287 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 333994   | 23.983 | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 10.203 | 43   | 264627   | 45.643 | ug/L  | 100      |
| 42) Toluene                   | 10.386 | 91   | 819645   | 25.059 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 277134   | 23.585 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 139621   | 24.067 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 142647   | 25.083 | ug/L  | 90       |
| 48) 2-Hexanone                | 10.965 | 43   | 210875   | 49.141 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.123 | 129  | 152951   | 23.740 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 130871   | 23.267 | ug/L  | 97       |
| 51) Chlorobenzene             | 11.654 | 112  | 506485   | 24.728 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 934995   | 24.599 | ug/L  | 95       |
| 53) m,p-Xylene                | 11.837 | 106  | 348470   | 24.172 | ug/L  | 97       |
| 54) o-Xylene                  | 12.166 | 106  | 334431   | 24.225 | ug/L  | 96       |
| 55) Styrene                   | 12.178 | 104  | 573173   | 24.311 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 166950   | 23.574 | ug/L  | 98       |
| 59) Bromoform                 | 12.349 | 173  | 85433    | 24.712 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.459 | 105  | 917439   | 25.137 | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 124113   | 24.466 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 786574   | 25.836 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 768042   | 25.784 | ug/L  | 97       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 377356   | 25.496 | ug/L  | 91       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 371094   | 25.107 | ug/L  | 95       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 334981   | 25.506 | ug/L  | 92       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 28650    | 22.597 | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 239826   | 24.961 | ug/L  | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 207412   | 25.363 | ug/L  | 95       |
| 71) Naphthalene               | 15.354 | 128  | 388176   | 23.082 | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 160641   | 23.889 | ug/L  | 94       |

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

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