

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW022324\  
 Data File : VW028052.D  
 Acq On : 23 Feb 2024 13:08  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025494

Quant Time: Feb 23 22:31:17 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020524SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Feb 21 23:34:58 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 248685   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 233810   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.550 | 152   | 124793   | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 50308    | 17.272   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 69.080%   |
| 7) Chloroethane-d5            | 2.899  | 69    | 49310    | 22.320   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 89.280%   |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 23754    | 19.060   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 76.240%   |
| 21) 2-Butanone-d5             | 7.075  | 46    | 30841    | 68.147   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 136.300%# |
| 24) Chloroform-d              | 7.648  | 84    | 142645   | 24.531   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 98.120%   |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 70004    | 26.656   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 106.640%  |
| 32) Benzene-d6                | 8.270  | 84    | 272267   | 21.765   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 87.040%   |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 77692    | 22.906   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 91.640%   |
| 41) Toluene-d8                | 10.319 | 98    | 263240   | 21.993   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 87.960%   |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 33437    | 23.972   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 95.880%   |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 29480    | 63.899   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 127.800%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 74428    | 29.359   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 117.440%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 103171   | 24.324   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 97.280%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 43967    | 20.530   | ug/L   | 90        |
| 3) Chloromethane              | 2.223  | 50    | 45400    | 19.304   | ug/L   | 99        |
| 5) Vinyl chloride             | 2.375  | 62    | 64807    | 20.330   | ug/L   | 96        |
| 6) Bromomethane               | 2.790  | 94    | 50867    | 22.584   | ug/L   | 94        |
| 8) Chloroethane               | 2.930  | 64    | 41778    | 23.196   | ug/L   | 95        |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 60152    | 20.763   | ug/L   | 98        |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 68082    | 23.315   | ug/L   | 96        |
| 12) 1,1-Dichloroethene        | 4.051  | 96    | 61387    | 22.598   | ug/L   | 89        |
| 13) Acetone                   | 4.119  | 43    | 24963    | 56.725   | ug/L   | 96        |
| 14) Carbon disulfide          | 4.393  | 76    | 151939   | 18.893   | ug/L   | 98        |
| 15) Methyl Acetate            | 4.673  | 43    | 21804    | 29.762   | ug/L   | 96        |
| 16) Methylene chloride        | 4.917  | 84    | 69005    | 22.200   | ug/L   | 96        |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 66903    | 22.923   | ug/L   | 97        |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 92944    | 26.863   | ug/L   | 100       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 119528   | 25.210   | ug/L   | 98        |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 77941    | 25.290   | ug/L   | 99        |
| 22) 2-Butanone                | 7.167  | 43    | 32377    | 63.735   | ug/L   | 97        |
| 23) Bromochloromethane        | 7.508  | 128   | 36321    | 26.531   | ug/L   | 87        |
| 25) Chloroform                | 7.673  | 83    | 134106   | 26.311   | ug/L   | 97        |

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 Quant Title : SFAM01.0  
 QLast Update : Wed Feb 21 23:34:58 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 81044    | 28.553 | ug/L  | 95       |
| 29) Cyclohexane               | 7.953  | 56   | 88044    | 21.127 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 109898   | 24.349 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 102027   | 24.434 | ug/L  | 99       |
| 33) Benzene                   | 8.325  | 78   | 276160   | 23.648 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 77123    | 23.005 | ug/L  | 95       |
| 35) Methylcyclohexane         | 9.337  | 83   | 120257   | 21.799 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 67347    | 24.542 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 97840    | 26.711 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 109763   | 24.955 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.203 | 43   | 65070    | 62.824 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 313812   | 23.967 | ug/L  | 93       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 93027    | 26.647 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 59628    | 27.452 | ug/L  | 99       |
| 46) Tetrachloroethene         | 10.855 | 164  | 65610    | 23.259 | ug/L  | 95       |
| 48) 2-Hexanone                | 10.965 | 43   | 47700    | 60.802 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.123 | 129  | 67591    | 27.295 | ug/L  | 89       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 55499    | 27.374 | ug/L  | 94       |
| 51) Chlorobenzene             | 11.654 | 112  | 207487   | 23.826 | ug/L  | 96       |
| 52) Ethylbenzene              | 11.727 | 91   | 355230   | 24.063 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.837 | 106  | 137057   | 23.673 | ug/L  | 95       |
| 54) o-Xylene                  | 12.160 | 106  | 132825   | 24.462 | ug/L  | 97       |
| 55) Styrene                   | 12.178 | 104  | 233386   | 25.805 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 68495    | 29.448 | ug/L  | 97       |
| 59) Bromoform                 | 12.343 | 173  | 40835    | 27.724 | ug/L  | 96       |
| 60) Isopropylbenzene          | 12.459 | 105  | 381096   | 24.458 | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 47812    | 28.708 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 308097   | 24.709 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 311463   | 25.527 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 180705   | 25.246 | ug/L  | 94       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 177136   | 24.339 | ug/L  | 92       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 154889   | 24.499 | ug/L  | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 10119    | 30.603 | ug/L  | 86       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 122338   | 23.802 | ug/L  | 93       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 106362   | 25.626 | ug/L  | 95       |
| 71) Naphthalene               | 15.354 | 128  | 194750   | 30.195 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 93374    | 26.964 | ug/L  | 95       |

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

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