

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW032223\  
 Data File : VW025476.D  
 Acq On : 22 Mar 2023 09:14  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025556

Quant Time: Mar 23 00:27:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM030623SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Mar 22 01:30:00 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 681349   | 25.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 595337   | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 302550   | 25.000   | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 233874   | 20.644   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 82.560%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 184778   | 22.668   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 90.680%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 63    | 528072   | 24.134   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 96.520%  |
| 21) 2-Butanone-d5             | 7.081  | 46    | 124624   | 44.817   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 89.640%  |
| 24) Chloroform-d              | 7.648  | 84    | 491116   | 25.003   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 100.000% |
| 26) 1,2-Dichloroethane-d4     | 8.301  | 65    | 252435   | 23.944   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 95.760%  |
| 32) Benzene-d6                | 8.276  | 84    | 986159   | 24.243   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 96.960%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 312119   | 24.802   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 99.200%  |
| 41) Toluene-d8                | 10.319 | 98    | 865178   | 24.123   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 96.480%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 114419   | 22.833   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 91.320%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 79353    | 43.851   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 87.700%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 211976   | 22.992   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 91.960%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 267285   | 23.756   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 95.040%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.021  | 85    | 206094   | 26.468   | ug/L  | 98       |
| 3) Chloromethane              | 2.222  | 50    | 270403   | 29.199   | ug/L  | 97       |
| 5) Vinyl chloride             | 2.375  | 62    | 307552   | 29.396   | ug/L  | 98       |
| 6) Bromomethane               | 2.789  | 94    | 158469   | 28.410   | ug/L  | 95       |
| 8) Chloroethane               | 2.936  | 64    | 177017   | 29.437   | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 238699   | 26.359   | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 262243   | 29.862   | ug/L  | 97       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 244032   | 28.721   | ug/L  | 97       |
| 13) Acetone                   | 4.131  | 43    | 131850   | 49.324   | ug/L  | 99       |
| 14) Carbon disulfide          | 4.387  | 76    | 767884   | 29.067   | ug/L  | 99       |
| 15) Methyl Acetate            | 4.667  | 43    | 113600   | 22.653   | ug/L  | 99       |
| 16) Methylene chloride        | 4.911  | 84    | 270994   | 28.563   | ug/L  | 95       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 252353   | 28.332   | ug/L  | 92       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 350495   | 26.138   | ug/L  | 98       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 530492   | 28.761   | ug/L  | 100      |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 275155   | 28.215   | ug/L  | # 95     |
| 22) 2-Butanone                | 7.173  | 43    | 162323   | 46.941   | ug/L  | 97       |
| 23) Bromochloromethane        | 7.508  | 128   | 107110   | 25.541   | ug/L  | 92       |
| 25) Chloroform                | 7.673  | 83    | 488328   | 28.163   | ug/L  | 98       |

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 ClientSampleId :  
 VSTD025556

Quant Time: Mar 23 00:27:08 2023  
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 Quant Title : SFAM01.0  
 QLast Update : Wed Mar 22 01:30:00 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 321862   | 27.816 | ug/L  | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 510928   | 30.404 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 395951   | 27.978 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 360210   | 28.395 | ug/L  | 100      |
| 33) Benzene                   | 8.325  | 78   | 1101486  | 28.939 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 275501   | 27.578 | ug/L  | 95       |
| 35) Methylcyclohexane         | 9.337  | 83   | 503823   | 29.276 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 295812   | 28.234 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 337257   | 27.601 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 425807   | 28.211 | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 307828   | 48.884 | ug/L  | 100      |
| 42) Toluene                   | 10.386 | 91   | 1139831  | 29.004 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 344317   | 27.240 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 185607   | 26.379 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 201522   | 28.351 | ug/L  | 97       |
| 48) 2-Hexanone                | 10.965 | 43   | 225611   | 49.798 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.129 | 129  | 194929   | 25.929 | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 166646   | 25.587 | ug/L  | 100      |
| 51) Chlorobenzene             | 11.654 | 112  | 690072   | 27.667 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 1294938  | 28.891 | ug/L  | 96       |
| 53) m,p-Xylene                | 11.837 | 106  | 480840   | 29.086 | ug/L  | 95       |
| 54) o-Xylene                  | 12.166 | 106  | 448348   | 28.821 | ug/L  | 100      |
| 55) Styrene                   | 12.178 | 104  | 772822   | 29.092 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 217521   | 24.853 | ug/L  | 98       |
| 59) Bromoform                 | 12.349 | 173  | 102247   | 23.424 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.465 | 105  | 1281409  | 28.412 | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 155851   | 23.643 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 1045486  | 29.269 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 1010221  | 28.708 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 515956   | 26.998 | ug/L  | 94       |
| 65) 1,4-Dichlorobenzene       | 13.580 | 146  | 511222   | 26.078 | ug/L  | 94       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 445963   | 26.018 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 31812    | 20.846 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 354216   | 27.266 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 277884   | 25.798 | ug/L  | 99       |
| 71) Naphthalene               | 15.360 | 128  | 510907   | 24.029 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 243834   | 25.203 | ug/L  | 98       |

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

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