

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042224\  
 Data File : VW028499.D  
 Acq On : 22 Apr 2024 09:37  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025560

Quant Time: Apr 23 02:39:23 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 19 21:45:04 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 301467   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 275900   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 140061   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 100589   | 20.813   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 83.240%  |
| 7) Chloroethane-d5            | 2.905  | 69    | 85371    | 23.306   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 93.240%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 45071    | 22.022   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 88.080%  |
| 21) 2-Butanone-d5             | 7.087  | 46    | 48811    | 53.972   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 107.940% |
| 24) Chloroform-d              | 7.648  | 84    | 209406   | 26.620   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 106.480% |
| 26) 1,2-Dichloroethane-d4     | 8.306  | 65    | 110953   | 27.140   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 108.560% |
| 32) Benzene-d6                | 8.276  | 84    | 388120   | 25.751   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 103.000% |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 119829   | 26.747   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 107.000% |
| 41) Toluene-d8                | 10.318 | 98    | 349040   | 25.467   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 101.880% |
| 43) trans-1,3-Dichloroprop... | 10.580 | 79    | 45811    | 25.716   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 102.880% |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 33322    | 53.695   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 107.380% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 89528    | 28.323   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 113.280% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 117505   | 26.528   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 106.120% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 100180   | 24.707   | ug/L   | 98       |
| 3) Chloromethane              | 2.228  | 50    | 120076   | 25.223   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.375  | 62    | 147251   | 25.974   | ug/L   | 98       |
| 6) Bromomethane               | 2.795  | 94    | 90243    | 25.478   | ug/L   | 99       |
| 8) Chloroethane               | 2.936  | 64    | 88962    | 26.031   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.277  | 101   | 123615   | 27.332   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082  | 101   | 113552   | 26.687   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 4.051  | 96    | 107783   | 26.979   | ug/L # | 81       |
| 13) Acetone                   | 4.137  | 43    | 57162    | 51.476   | ug/L   | 100      |
| 14) Carbon disulfide          | 4.393  | 76    | 335543   | 25.510   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.679  | 43    | 45267    | 25.335   | ug/L   | 100      |
| 16) Methylene chloride        | 4.917  | 84    | 114608   | 25.124   | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 110853   | 26.341   | ug/L   | 100      |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 156523   | 26.441   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 221758   | 27.046   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 118811   | 26.600   | ug/L   | 97       |
| 22) 2-Butanone                | 7.173  | 43    | 65764    | 48.800   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.514  | 128   | 50510    | 26.254   | ug/L   | 89       |
| 25) Chloroform                | 7.679  | 83    | 222672   | 27.646   | ug/L   | 93       |

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 VSTD025560

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 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 19 21:45:04 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 150282   | 27.033 | ug/L   | 97       |
| 29) Cyclohexane               | 7.959  | 56   | 201095   | 27.594 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 183803   | 27.469 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 169679   | 28.596 | ug/L   | 97       |
| 33) Benzene                   | 8.325  | 78   | 466832   | 27.063 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 124977   | 26.734 | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.337  | 83   | 217621   | 27.280 | ug/L   | 100      |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 121426   | 27.007 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 153557   | 27.555 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.074 | 75   | 183655   | 27.855 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 126586   | 56.243 | ug/L   | 99       |
| 42) Toluene                   | 10.385 | 91   | 503153   | 27.533 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 149486   | 28.026 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 82048    | 26.974 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.861 | 164  | 91752    | 26.276 | ug/L   | 87       |
| 48) 2-Hexanone                | 10.965 | 43   | 96394    | 53.956 | ug/L   | 97       |
| 49) Dibromochloromethane      | 11.129 | 129  | 92048    | 28.313 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 11.239 | 107  | 74907    | 26.981 | ug/L # | 99       |
| 51) Chlorobenzene             | 11.653 | 112  | 306538   | 26.986 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 571476   | 27.586 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.836 | 106  | 217338   | 28.212 | ug/L   | 88       |
| 54) o-Xylene                  | 12.159 | 106  | 199211   | 27.772 | ug/L   | 95       |
| 55) Styrene                   | 12.178 | 104  | 350510   | 28.711 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 93273    | 27.096 | ug/L   | 99       |
| 59) Bromoform                 | 12.348 | 173  | 49108    | 26.562 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.458 | 105  | 578619   | 27.557 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 67758    | 26.461 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 369439   | 27.605 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 451158   | 28.011 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 240486   | 26.992 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 241930   | 26.694 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 13.866 | 146  | 218030   | 27.821 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 14201    | 24.201 | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 14.622 | 180  | 161786   | 26.389 | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 15.128 | 180  | 127416   | 26.613 | ug/L   | 93       |
| 71) Naphthalene               | 15.360 | 128  | 235677   | 27.814 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 113504   | 26.716 | ug/L   | 96       |

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

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