

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW101821\  
 Data File : VW020547.D  
 Acq On : 18 Oct 2021 08:10  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025037

Quant Time: Oct 19 05:39:46 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Oct 16 06:56:08 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 191113   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 181793   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 98292    | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 62310    | 22.407   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 89.640%  |
| 7) Chloroethane-d5            | 2.879  | 69    | 36111    | 24.583   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 98.320%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 129040   | 22.646   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 90.600%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 42025    | 49.656   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 99.320%  |
| 24) Chloroform-d              | 7.647  | 84    | 145336   | 23.857   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 95.440%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 81772    | 23.502   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 94.000%  |
| 32) Benzene-d6                | 8.275  | 84    | 271346   | 22.692   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 90.760%  |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 87494    | 22.450   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 89.800%  |
| 41) Toluene-d8                | 10.323 | 98    | 248332   | 23.145   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 92.560%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 36303    | 22.922   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 91.680%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 30485    | 50.848   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 101.700% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 70593    | 23.963   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 95.840%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 83380    | 21.685   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 86.760%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.008  | 85    | 34247    | 27.731   | ug/L   | 99       |
| 3) Chloromethane              | 2.215  | 50    | 61151    | 23.814   | ug/L   | 97       |
| 5) Vinyl chloride             | 2.355  | 62    | 86188    | 23.864   | ug/L   | 98       |
| 6) Bromomethane               | 2.776  | 94    | 36900    | 23.523   | ug/L   | 94       |
| 8) Chloroethane               | 2.916  | 64    | 34116    | 25.581   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.251  | 101   | 44231    | 21.524   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.056  | 101   | 74578    | 25.447   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.032  | 96    | 66038    | 24.576   | ug/L # | 86       |
| 13) Acetone                   | 4.129  | 43    | 44979    | 57.888   | ug/L   | 100      |
| 14) Carbon disulfide          | 4.385  | 76    | 201500   | 23.054   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.672  | 43    | 36087    | 25.009   | ug/L   | 99       |
| 16) Methylene chloride        | 4.916  | 84    | 76155    | 20.498   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 68829    | 24.414   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 99945    | 25.163   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 144143   | 24.941   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 74833    | 25.538   | ug/L   | 99       |
| 22) 2-Butanone                | 7.171  | 43    | 52076    | 53.542   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.519  | 128   | 32599    | 25.365   | ug/L   | 95       |
| 25) Chloroform                | 7.677  | 83    | 141181   | 25.128   | ug/L   | 96       |

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 Quant Title : SFAM01.0  
 QLast Update : Sat Oct 16 06:56:08 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 98741    | 25.695 | ug/L  | 100      |
| 29) Cyclohexane               | 7.958  | 56   | 133437   | 25.071 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 113356   | 25.100 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 99620    | 25.089 | ug/L  | 100      |
| 33) Benzene                   | 8.324  | 78   | 317718   | 24.537 | ug/L  | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 76941    | 24.120 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.336  | 83   | 135034   | 24.736 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 83458    | 24.889 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 100248   | 24.935 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 117754   | 25.453 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 107610   | 53.468 | ug/L  | 99       |
| 42) Toluene                   | 10.390 | 91   | 328818   | 25.317 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 106854   | 26.200 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 53917    | 25.043 | ug/L  | 99       |
| 46) Tetrachloroethene         | 10.860 | 164  | 57337    | 25.024 | ug/L  | 96       |
| 48) 2-Hexanone                | 10.969 | 43   | 83291    | 56.407 | ug/L  | 100      |
| 49) Dibromochloromethane      | 11.134 | 129  | 60765    | 25.619 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 49617    | 25.090 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.658 | 112  | 196601   | 24.548 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.731 | 91   | 365493   | 25.951 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.841 | 106  | 135402   | 25.947 | ug/L  | 97       |
| 54) o-Xylene                  | 12.164 | 106  | 128908   | 26.749 | ug/L  | 95       |
| 55) Styrene                   | 12.183 | 104  | 223968   | 26.580 | ug/L  | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 68422    | 25.636 | ug/L  | 98       |
| 59) Bromoform                 | 12.347 | 173  | 33023    | 23.982 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 353927   | 24.533 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 51683    | 23.867 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 300549   | 25.516 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 302641   | 25.939 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 147764   | 23.672 | ug/L  | 88       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 158108   | 24.488 | ug/L  | 95       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 138807   | 24.272 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 11435    | 24.861 | ug/L  | 92       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 110565   | 24.840 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 88363    | 25.071 | ug/L  | 99       |
| 71) Naphthalene               | 15.365 | 128  | 165003   | 26.039 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 77151    | 24.923 | ug/L  | 96       |

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

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