

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW030822\  
 Data File : VW022237.D  
 Acq On : 08 Mar 2022 19:15  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025576

Quant Time: Mar 09 01:41:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM022322SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Mar 09 00:23:14 2022  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 8.842     | 114   | 143429   | 25.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 11.628    | 117   | 136802   | 25.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554    | 152   | 79426    | 25.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 2.349     | 65    | 52077    | 27.837   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 111.360% |          |
| 7) Chloroethane-d5            | 2.879     | 69    | 42743    | 29.039   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 116.160% |          |
| 11) 1,1-Dichloroethene-d2     | 4.019     | 63    | 71403    | 24.924   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 110 | Recovery | = 99.680%  |          |
| 21) 2-Butanone-d5             | 7.074     | 46    | 19354    | 61.531   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 123.060% |          |
| 24) Chloroform-d              | 7.647     | 84    | 90958    | 28.423   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 40 - 150 | Recovery | = 113.680% |          |
| 26) 1,2-Dichloroethane-d4     | 8.305     | 65    | 45839    | 27.557   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 130 | Recovery | = 110.240% |          |
| 32) Benzene-d6                | 8.275     | 84    | 173335   | 27.225   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 20 - 135 | Recovery | = 108.880% |          |
| 36) 1,2-Dichloropropane-d6    | 9.274     | 67    | 47754    | 27.008   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 120 | Recovery | = 108.040% |          |
| 41) Toluene-d8                | 10.323    | 98    | 170351   | 26.913   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 130 | Recovery | = 107.640% |          |
| 43) trans-1,3-Dichloroprop... | 10.579    | 79    | 21513    | 27.441   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 135 | Recovery | = 109.760% |          |
| 47) 2-Hexanone-d5             | 10.920    | 63    | 16423    | 56.474   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 112.940% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688    | 84    | 46042    | 29.672   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 120 | Recovery | = 118.680% |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853    | 152   | 67811    | 26.581   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 75 - 120 | Recovery | = 106.320% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 2.007     | 85    | 13905    | 34.689   | ug/L       | 99       |
| 3) Chloromethane              | 2.215     | 50    | 32672    | 23.786   | ug/L       | 98       |
| 5) Vinyl chloride             | 2.361     | 62    | 50706    | 24.569   | ug/L       | 99       |
| 6) Bromomethane               | 2.776     | 94    | 36076    | 25.029   | ug/L       | 88       |
| 8) Chloroethane               | 2.916     | 64    | 32796    | 28.288   | ug/L       | 94       |
| 9) Trichlorofluoromethane     | 3.257     | 101   | 33145    | 23.655   | ug/L       | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062     | 101   | 45037    | 26.345   | ug/L       | 98       |
| 12) 1,1-Dichloroethene        | 4.038     | 96    | 36413    | 24.577   | ug/L       | 97       |
| 13) Acetone                   | 4.117     | 43    | 12670    | 49.319   | ug/L       | 96       |
| 14) Carbon disulfide          | 4.379     | 76    | 73422    | 19.114   | ug/L       | 99       |
| 15) Methyl Acetate            | 4.672     | 43    | 15034    | 25.994   | ug/L       | 98       |
| 16) Methylene chloride        | 4.909     | 84    | 47834    | 27.170   | ug/L       | 97       |
| 17) trans-1,2-Dichloroethene  | 5.421     | 96    | 39745    | 24.423   | ug/L       | 95       |
| 18) Methyl tert-butyl Ether   | 5.428     | 73    | 61243    | 27.661   | ug/L #     | 89       |
| 19) 1,1-Dichloroethane        | 6.214     | 63    | 69932    | 26.544   | ug/L       | 97       |
| 20) cis-1,2-Dichloroethene    | 7.171     | 96    | 46373    | 26.305   | ug/L       | 99       |
| 22) 2-Butanone                | 7.171     | 43    | 21079    | 57.119   | ug/L       | 100      |
| 23) Bromochloromethane        | 7.513     | 128   | 22510    | 26.139   | ug/L       | 94       |
| 25) Chloroform                | 7.677     | 83    | 84540    | 27.502   | ug/L       | 99       |

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 Quant Title : SFAM01.0  
 QLast Update : Wed Mar 09 00:23:14 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 51303    | 27.096 | ug/L   | 97       |
| 29) Cyclohexane               | 7.952  | 56   | 53359    | 23.437 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 72183    | 26.226 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 67570    | 25.832 | ug/L   | 98       |
| 33) Benzene                   | 8.323  | 78   | 168161   | 25.425 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 46762    | 24.693 | ug/L   | 94       |
| 35) Methylcyclohexane         | 9.335  | 83   | 68850    | 23.505 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 41155    | 26.672 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.640  | 83   | 61041    | 27.586 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 65875    | 28.086 | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 47826    | 57.395 | ug/L   | 100      |
| 42) Toluene                   | 10.384 | 91   | 197978   | 26.447 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 59797    | 28.371 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 37007    | 27.047 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.860 | 164  | 41227    | 24.851 | ug/L   | 93       |
| 48) 2-Hexanone                | 10.969 | 43   | 33736    | 58.332 | ug/L   | 97       |
| 49) Dibromochloromethane      | 11.128 | 129  | 47429    | 28.537 | ug/L   | 94       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 35809    | 27.133 | ug/L   | 100      |
| 51) Chlorobenzene             | 11.658 | 112  | 138784   | 26.639 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.731 | 91   | 220878   | 26.661 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.835 | 106  | 91611    | 26.873 | ug/L   | 100      |
| 54) o-Xylene                  | 12.164 | 106  | 88473    | 27.582 | ug/L   | 98       |
| 55) Styrene                   | 12.176 | 104  | 149631   | 27.826 | ug/L   | 92       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 45633    | 28.744 | ug/L   | 98       |
| 59) Bromoform                 | 12.347 | 173  | 26250    | 24.992 | ug/L # | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 245859   | 25.786 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 32024    | 25.546 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 169036   | 26.661 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 206640   | 26.669 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 116693   | 24.672 | ug/L   | 92       |
| 65) 1,4-Dichlorobenzene       | 13.572 | 146  | 119930   | 25.303 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 110575   | 26.295 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 6852     | 25.856 | ug/L # | 77       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 86903    | 25.599 | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 69759    | 27.158 | ug/L   | 98       |
| 71) Naphthalene               | 15.359 | 128  | 132874   | 29.303 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 61714    | 27.777 | ug/L   | 95       |

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

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