

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW080822\  
 Data File : VW024197.D  
 Acq On : 08 Aug 2022 09:14  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025524

Quant Time: Aug 09 04:10:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM080422SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 05 23:43:03 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.841  | 114   | 401470   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 376484   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 214837   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.343  | 65    | 185719   | 22.131   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 88.520%  |
| 7) Chloroethane-d5            | 2.873  | 69    | 115588   | 22.111   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 88.440%  |
| 11) 1,1-Dichloroethene-d2     | 4.001  | 63    | 237466   | 24.830   | ug/L   | -0.02    |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 99.320%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 74678    | 47.833   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 95.660%  |
| 24) Chloroform-d              | 7.640  | 84    | 283186   | 23.312   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 93.240%  |
| 26) 1,2-Dichloroethane-d4     | 8.299  | 65    | 148718   | 22.051   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 88.200%  |
| 32) Benzene-d6                | 8.268  | 84    | 536913   | 24.181   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 96.720%  |
| 36) 1,2-Dichloropropane-d6    | 9.268  | 67    | 152924   | 23.327   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 93.320%  |
| 41) Toluene-d8                | 10.317 | 98    | 510185   | 24.583   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 98.320%  |
| 43) trans-1,3-Dichloroprop... | 10.573 | 79    | 72119    | 25.116   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 100.480% |
| 47) 2-Hexanone-d5             | 10.920 | 63    | 62380    | 51.516   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 103.040% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 146222   | 22.989   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 91.960%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.847 | 152   | 188450   | 23.971   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 95.880%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.001  | 85    | 106482   | 30.147   | ug/L   | 100      |
| 3) Chloromethane              | 2.202  | 50    | 159525   | 24.082   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.349  | 62    | 225981   | 24.506   | ug/L   | 96       |
| 6) Bromomethane               | 2.763  | 94    | 129850   | 24.559   | ug/L   | 94       |
| 8) Chloroethane               | 2.910  | 64    | 98181    | 24.307   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.245  | 101   | 112125   | 25.651   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.044  | 101   | 153894   | 26.104   | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 4.019  | 96    | 136229   | 28.225   | ug/L   | 90       |
| 13) Acetone                   | 4.123  | 43    | 50850    | 44.239   | ug/L   | 63       |
| 14) Carbon disulfide          | 4.367  | 76    | 390582   | 25.289   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.665  | 43    | 61197    | 23.637   | ug/L   | 98       |
| 16) Methylene chloride        | 4.903  | 84    | 146680   | 20.718   | ug/L   | 93       |
| 17) trans-1,2-Dichloroethene  | 5.415  | 96    | 146869   | 26.350   | ug/L   | 90       |
| 18) Methyl tert-butyl Ether   | 5.427  | 73    | 218855   | 27.536   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.208  | 63    | 247811   | 25.240   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 156004   | 25.486   | ug/L   | # 95     |
| 22) 2-Butanone                | 7.171  | 43    | 87252    | 45.047   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.506  | 128   | 76849    | 25.209   | ug/L   | # 91     |
| 25) Chloroform                | 7.671  | 83    | 278384   | 25.731   | ug/L   | 97       |

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 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 05 23:43:03 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.396  | 62   | 176907   | 24.300 | ug/L   | 98       |
| 29) Cyclohexane               | 7.951  | 56   | 222144   | 28.781 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.866  | 97   | 230841   | 27.189 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.061  | 117  | 217610   | 27.168 | ug/L   | 99       |
| 33) Benzene                   | 8.317  | 78   | 591701   | 26.610 | ug/L   | 100      |
| 34) Trichloroethene           | 9.085  | 95   | 156893   | 26.695 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.329  | 83   | 270260   | 29.324 | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 142862   | 25.991 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.640  | 83   | 199421   | 25.867 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 10.067 | 75   | 229565   | 28.388 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 190094   | 52.109 | ug/L   | 99       |
| 42) Toluene                   | 10.384 | 91   | 650464   | 27.528 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 204009   | 27.610 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 116876   | 25.227 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.859 | 164  | 130525   | 27.432 | ug/L   | 91       |
| 48) 2-Hexanone                | 10.963 | 43   | 135250   | 54.631 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.128 | 129  | 149642   | 26.830 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 114260   | 25.741 | ug/L # | 100      |
| 51) Chlorobenzene             | 11.652 | 112  | 433963   | 26.880 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.725 | 91   | 716788   | 27.688 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.835 | 106  | 278535   | 27.640 | ug/L   | 95       |
| 54) o-Xylene                  | 12.164 | 106  | 269756   | 28.335 | ug/L   | 95       |
| 55) Styrene                   | 12.176 | 104  | 470784   | 28.433 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 144028   | 24.875 | ug/L   | 95       |
| 59) Bromoform                 | 12.347 | 173  | 81991    | 25.020 | ug/L # | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 726445   | 27.932 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 101526   | 23.746 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 631891   | 29.401 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.243 | 105  | 610179   | 28.828 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 344610   | 27.059 | ug/L   | 92       |
| 65) 1,4-Dichlorobenzene       | 13.572 | 146  | 355291   | 26.346 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 317035   | 26.215 | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 22314    | 22.338 | ug/L   | 99       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 250727   | 30.024 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 207996   | 31.101 | ug/L   | 98       |
| 71) Naphthalene               | 15.359 | 128  | 409234   | 31.416 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 186825   | 30.684 | ug/L   | 97       |

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

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