

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW051222\  
 Data File : VW023012.D  
 Acq On : 12 May 2022 19:31  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025529

Quant Time: May 13 01:15:08 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050222SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri May 13 01:10:05 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 301548   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 304514   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 166351   | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 117309   | 18.961   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 75.840%   |
| 7) Chloroethane-d5            | 2.879  | 69    | 105382   | 26.182   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 104.720%  |
| 11) 1,1-Dichloroethene-d2     | 4.025  | 63    | 162120   | 20.280   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 81.120%   |
| 21) 2-Butanone-d5             | 7.080  | 46    | 89120    | 75.764   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 151.520%# |
| 24) Chloroform-d              | 7.647  | 84    | 234614   | 26.556   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 106.240%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 130971   | 27.030   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 108.120%  |
| 32) Benzene-d6                | 8.275  | 84    | 416575   | 23.734   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 94.920%   |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 125243   | 25.402   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 101.600%  |
| 41) Toluene-d8                | 10.323 | 98    | 405260   | 23.902   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 95.600%   |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 55361    | 24.386   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 97.560%   |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 73773    | 78.381   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 156.760%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 152544   | 33.194   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 132.760%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 158664   | 27.285   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 109.120%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 52716    | 32.069   | ug/L   | 94        |
| 3) Chloromethane              | 2.215  | 50    | 83004    | 26.130   | ug/L   | 98        |
| 5) Vinyl chloride             | 2.361  | 62    | 146989   | 23.057   | ug/L   | 97        |
| 6) Bromomethane               | 2.776  | 94    | 102771   | 25.108   | ug/L   | 94        |
| 8) Chloroethane               | 2.922  | 64    | 89233    | 29.021   | ug/L   | 100       |
| 9) Trichlorofluoromethane     | 3.251  | 101   | 58489    | 20.074   | ug/L   | 93        |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062  | 101   | 105179   | 24.141   | ug/L   | 96        |
| 12) 1,1-Dichloroethene        | 4.038  | 96    | 88210    | 22.839   | ug/L   | 92        |
| 13) Acetone                   | 4.129  | 43    | 43409    | 49.291   | ug/L   | 99        |
| 14) Carbon disulfide          | 4.385  | 76    | 195994   | 18.510   | ug/L   | 95        |
| 15) Methyl Acetate            | 4.672  | 43    | 54403    | 30.749   | ug/L   | 98        |
| 16) Methylene chloride        | 4.916  | 84    | 109289   | 24.769   | ug/L   | 97        |
| 17) trans-1,2-Dichloroethene  | 5.422  | 96    | 104725   | 24.095   | ug/L   | 94        |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 194930   | 29.380   | ug/L   | 99        |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 194529   | 26.408   | ug/L   | 96        |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 124454   | 26.660   | ug/L   | 97        |
| 22) 2-Butanone                | 7.171  | 43    | 74290    | 60.319   | ug/L   | 99        |
| 23) Bromochloromethane        | 7.519  | 128   | 59208    | 27.082   | ug/L   | 85        |
| 25) Chloroform                | 7.677  | 83    | 220613   | 27.085   | ug/L   | 97        |

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 Quant Title : SFAM01.0  
 QLast Update : Fri May 13 01:10:05 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 148037   | 27.265 | ug/L   | 98       |
| 29) Cyclohexane               | 7.958  | 56   | 148368   | 22.529 | ug/L   | 100      |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 182895   | 25.415 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 162512   | 24.142 | ug/L   | 100      |
| 33) Benzene                   | 8.323  | 78   | 447777   | 24.961 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 119808   | 24.285 | ug/L   | 98       |
| 35) Methylcyclohexane         | 9.335  | 83   | 182650   | 22.536 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 114154   | 26.296 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 163460   | 26.510 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 171268   | 25.443 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 176358   | 64.453 | ug/L   | 99       |
| 42) Toluene                   | 10.384 | 91   | 507863   | 25.262 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 157800   | 26.264 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 102707   | 28.301 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.860 | 164  | 89424    | 24.120 | ug/L   | 93       |
| 48) 2-Hexanone                | 10.963 | 43   | 122646   | 67.084 | ug/L   | 97       |
| 49) Dibromochloromethane      | 11.128 | 129  | 122322   | 28.005 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 104904   | 28.788 | ug/L   | 97       |
| 51) Chlorobenzene             | 11.658 | 112  | 348902   | 26.325 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.731 | 91   | 580516   | 25.955 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.841 | 106  | 230103   | 26.110 | ug/L   | 97       |
| 54) o-Xylene                  | 12.164 | 106  | 229020   | 27.081 | ug/L   | 97       |
| 55) Styrene                   | 12.176 | 104  | 397486   | 27.660 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 137413   | 30.315 | ug/L   | 94       |
| 59) Bromoform                 | 12.347 | 173  | 70777    | 30.022 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 622585   | 27.319 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 100439   | 30.218 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 338676   | 26.712 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 520092   | 27.320 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 276870   | 27.211 | ug/L   | 93       |
| 65) 1,4-Dichlorobenzene       | 13.572 | 146  | 277183   | 26.374 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 253411   | 27.217 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 22686    | 31.230 | ug/L # | 90       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 175754   | 26.023 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 138734   | 25.536 | ug/L   | 92       |
| 71) Naphthalene               | 15.359 | 128  | 380713   | 32.241 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 135044   | 28.045 | ug/L   | 99       |

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

