

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011822\  
 Data File : VW021988.D  
 Acq On : 18 Jan 2022 09:29  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025544

Quant Time: Jan 19 00:25:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Jan 18 00:36:09 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.841  | 114   | 130290   | 25.000   | ug/L   | # 0.00   |
| 28) Chlorobenzene-d5          | 11.633 | 117   | 130728   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 76138    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 49062    | 20.260   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 81.040%  |
| 7) Chloroethane-d5            | 2.885  | 69    | 36769    | 16.814   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 67.240%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 89317    | 23.362   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 93.440%  |
| 21) 2-Butanone-d5             | 7.079  | 46    | 20775    | 60.780   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 121.560% |
| 24) Chloroform-d              | 7.652  | 84    | 104895   | 24.921   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 99.680%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 51693    | 25.432   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 101.720% |
| 32) Benzene-d6                | 8.274  | 84    | 201962   | 23.809   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 95.240%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 55436    | 24.795   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 99.160%  |
| 41) Toluene-d8                | 10.323 | 98    | 202056   | 23.629   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 94.520%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 23309    | 24.555   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 98.200%  |
| 47) 2-Hexanone-d5             | 10.926 | 63    | 19133    | 63.066   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 126.140% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 46255    | 26.457   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 105.840% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 76104    | 24.309   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 97.240%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 10889    | 21.200   | ug/L   | 93       |
| 3) Chloromethane              | 2.214  | 50    | 40913    | 21.969   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.361  | 62    | 59575    | 22.269   | ug/L   | 95       |
| 6) Bromomethane               | 2.781  | 94    | 42101    | 22.256   | ug/L   | 98       |
| 8) Chloroethane               | 2.922  | 64    | 30554    | 18.898   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.269  | 101   | 48275    | 24.282   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074  | 101   | 52092    | 24.072   | ug/L   | 91       |
| 12) 1,1-Dichloroethene        | 4.037  | 96    | 47380    | 24.363   | ug/L   | 77       |
| 13) Acetone                   | 4.141  | 43    | 14629    | 51.804   | ug/L   | 84       |
| 14) Carbon disulfide          | 4.385  | 76    | 118526   | 23.279   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.677  | 43    | 15706    | 27.518   | ug/L # | 81       |
| 16) Methylene chloride        | 4.915  | 84    | 49004    | 21.977   | ug/L   | 81       |
| 17) trans-1,2-Dichloroethene  | 5.427  | 96    | 52098    | 24.792   | ug/L   | 79       |
| 18) Methyl tert-butyl Ether   | 5.427  | 73    | 70645    | 26.362   | ug/L # | 90       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 81808    | 26.545   | ug/L   | 95       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 57435    | 26.568   | ug/L   | 67       |
| 22) 2-Butanone                | 7.177  | 43    | 21929    | 60.752   | ug/L   | 80       |
| 23) Bromochloromethane        | 7.518  | 128   | 27117    | 25.210   | ug/L # | 59       |
| 25) Chloroform                | 7.677  | 83    | 96030    | 26.335   | ug/L   | 99       |

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 ClientSampleId :  
 VSTD025544

Quant Time: Jan 19 00:25:26 2022  
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 Quant Title : SFAM01.0  
 QLast Update : Tue Jan 18 00:36:09 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.402  | 62   | 56301    | 26.663 | ug/L # | 94       |
| 29) Cyclohexane               | 7.957  | 56   | 75142    | 25.693 | ug/L # | 77       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 85553    | 25.248 | ug/L # | 93       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 81711    | 24.884 | ug/L   | 99       |
| 33) Benzene                   | 8.323  | 78   | 201790   | 25.173 | ug/L   | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 59193    | 25.452 | ug/L   | 92       |
| 35) Methylcyclohexane         | 9.335  | 83   | 95048    | 24.853 | ug/L # | 82       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 45438    | 26.019 | ug/L # | 94       |
| 38) Bromodichloromethane      | 9.646  | 83   | 65754    | 26.973 | ug/L # | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 74075    | 27.299 | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 47490    | 57.891 | ug/L # | 87       |
| 42) Toluene                   | 10.390 | 91   | 236415   | 26.296 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 64508    | 28.403 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 39141    | 26.399 | ug/L   | 93       |
| 46) Tetrachloroethene         | 10.859 | 164  | 53485    | 23.257 | ug/L   | 98       |
| 48) 2-Hexanone                | 10.969 | 43   | 33078    | 58.933 | ug/L # | 90       |
| 49) Dibromochloromethane      | 11.127 | 129  | 49260    | 26.368 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 11.237 | 107  | 38369    | 26.070 | ug/L # | 97       |
| 51) Chlorobenzene             | 11.658 | 112  | 157687   | 24.841 | ug/L   | 89       |
| 52) Ethylbenzene              | 11.731 | 91   | 258106   | 25.843 | ug/L   | 96       |
| 53) m,p-Xylene                | 11.841 | 106  | 109783   | 26.287 | ug/L   | 84       |
| 54) o-Xylene                  | 12.164 | 106  | 102930   | 26.548 | ug/L   | 95       |
| 55) Styrene                   | 12.176 | 104  | 169708   | 26.513 | ug/L   | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 42259    | 26.490 | ug/L # | 98       |
| 59) Bromoform                 | 12.347 | 173  | 27297    | 26.296 | ug/L # | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 285845   | 27.569 | ug/L   | 94       |
| 61) 1,2,3-Trichloropropane    | 12.767 | 75   | 30708    | 28.222 | ug/L # | 89       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 239086   | 27.847 | ug/L   | 92       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 235321   | 27.791 | ug/L   | 94       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 131922   | 25.307 | ug/L   | 89       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 131014   | 25.455 | ug/L   | 93       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 120519   | 26.406 | ug/L   | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 14.480 | 75   | 5737     | 27.303 | ug/L # | 60       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 98140    | 25.330 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 73502    | 23.809 | ug/L   | 96       |
| 71) Naphthalene               | 15.358 | 128  | 122922   | 25.812 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.553 | 180  | 59041    | 23.159 | ug/L   | 98       |

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

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