

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW031022\  
 Data File : VW022283.D  
 Acq On : 10 Mar 2022 19:33  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025580

Quant Time: Mar 11 04:38:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM022322SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 11 03:07:48 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 148314   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 137969   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 79691    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 45552    | 23.548   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 94.200%  |
| 7) Chloroethane-d5            | 2.879  | 69    | 37990    | 24.960   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 99.840%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 66978    | 22.609   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 90.440%  |
| 21) 2-Butanone-d5             | 7.074  | 46    | 18521    | 56.943   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 113.880% |
| 24) Chloroform-d              | 7.647  | 84    | 90122    | 27.235   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 108.920% |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 44913    | 26.111   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 104.440% |
| 32) Benzene-d6                | 8.275  | 84    | 164761   | 25.659   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 102.640% |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 48024    | 26.931   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 107.720% |
| 41) Toluene-d8                | 10.323 | 98    | 158379   | 24.810   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 99.240%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 20989    | 26.547   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 106.200% |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 16009    | 54.585   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 109.180% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 44763    | 28.603   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 114.400% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 64144    | 25.060   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 100.240% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.001  | 85    | 11966    | 28.869   | ug/L   | 94       |
| 3) Chloromethane              | 2.215  | 50    | 32024    | 22.546   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.355  | 62    | 49882    | 23.373   | ug/L   | 93       |
| 6) Bromomethane               | 2.776  | 94    | 32999    | 22.140   | ug/L   | 96       |
| 8) Chloroethane               | 2.910  | 64    | 31115    | 25.954   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.257  | 101   | 35341    | 24.391   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.056  | 101   | 45325    | 25.640   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.038  | 96    | 36711    | 23.962   | ug/L   | 97       |
| 13) Acetone                   | 4.123  | 43    | 11563    | 43.527   | ug/L   | 91       |
| 14) Carbon disulfide          | 4.379  | 76    | 69839    | 17.582   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.666  | 43    | 15417    | 25.779   | ug/L   | 99       |
| 16) Methylene chloride        | 4.915  | 84    | 49783    | 27.346   | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 40032    | 23.789   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 65227    | 28.490   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 75798    | 27.823   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 49860    | 27.352   | ug/L   | 99       |
| 22) 2-Butanone                | 7.171  | 43    | 21251    | 55.688   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.513  | 128   | 23696    | 26.610   | ug/L   | 87       |
| 25) Chloroform                | 7.677  | 83    | 90274    | 28.400   | ug/L   | 99       |

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 Quant Title : SFAM01.0  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 53444    | 27.297 | ug/L  | 99       |
| 29) Cyclohexane               | 7.958  | 56   | 54303    | 23.650 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 76001    | 27.380 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 71134    | 26.964 | ug/L  | 99       |
| 33) Benzene                   | 8.323  | 78   | 179933   | 26.974 | ug/L  | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 49747    | 26.047 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.335  | 83   | 72394    | 24.506 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 43387    | 27.880 | ug/L  | 98       |
| 38) Bromodichloromethane      | 9.646  | 83   | 65706    | 29.443 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 69791    | 29.504 | ug/L  | 95       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 49306    | 58.671 | ug/L  | 98       |
| 42) Toluene                   | 10.384 | 91   | 205352   | 27.200 | ug/L  | 96       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 60750    | 28.579 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 39006    | 28.267 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.860 | 164  | 41730    | 24.942 | ug/L  | 83       |
| 48) 2-Hexanone                | 10.969 | 43   | 34730    | 59.543 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.128 | 129  | 48842    | 29.139 | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 36939    | 27.753 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.658 | 112  | 145167   | 27.629 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.731 | 91   | 236552   | 28.311 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.835 | 106  | 95704    | 27.836 | ug/L  | 94       |
| 54) o-Xylene                  | 12.164 | 106  | 93378    | 28.865 | ug/L  | 94       |
| 55) Styrene                   | 12.176 | 104  | 163174   | 30.088 | ug/L  | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 47353    | 29.575 | ug/L  | 97       |
| 59) Bromoform                 | 12.347 | 173  | 28235    | 26.793 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 257873   | 26.956 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 32283    | 25.667 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 179656   | 28.242 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.243 | 105  | 214128   | 27.544 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 123803   | 26.088 | ug/L  | 95       |
| 65) 1,4-Dichlorobenzene       | 13.572 | 146  | 125785   | 26.450 | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 117076   | 27.749 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 6855     | 25.781 | ug/L  | 85       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 87389    | 25.656 | ug/L  | 92       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 70261    | 27.263 | ug/L  | 96       |
| 71) Naphthalene               | 15.365 | 128  | 126628   | 27.833 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 60891    | 27.316 | ug/L  | 96       |

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

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