

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW031122\  
 Data File : VW022291.D  
 Acq On : 11 Mar 2022 11:40  
 Operator : SY/VA  
 Sample : N1819-05MS  
 Misc : 6.43g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DBRX6MS

Quant Time: Mar 11 21:02:49 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM022322SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 11 21:01:07 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 149422   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 140754   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 75506    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 48879    | 25.080   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 100.320% |
| 7) Chloroethane-d5            | 2.879  | 69    | 35406    | 23.089   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 92.360%  |
| 11) 1,1-Dichloroethene-d2     | 4.013  | 63    | 58840    | 19.715   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 78.840%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 18383    | 56.100   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 112.200% |
| 24) Chloroform-d              | 7.647  | 84    | 78924    | 23.674   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 94.680%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 41135    | 23.737   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 94.960%  |
| 32) Benzene-d6                | 8.275  | 84    | 148537   | 22.675   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 90.680%  |
| 36) 1,2-Dichloropropane-d6    | 9.268  | 67    | 41582    | 22.857   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 91.440%  |
| 41) Toluene-d8                | 10.323 | 98    | 145143   | 22.287   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 89.160%  |
| 43) trans-1,3-Dichloroprop... | 10.573 | 79    | 18222    | 22.591   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 90.360%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 15102    | 50.474   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 100.940% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 40291    | 25.236   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 100.960% |
| 66) 1,2-Dichlorobenzene-d4    | 13.847 | 152   | 58637    | 24.178   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 96.720%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.008  | 85    | 5515     | 13.207   | ug/L   | 93       |
| 3) Chloromethane              | 2.209  | 50    | 23242    | 16.242   | ug/L   | 96       |
| 5) Vinyl chloride             | 2.355  | 62    | 35033    | 16.294   | ug/L   | 99       |
| 6) Bromomethane               | 2.770  | 94    | 20963    | 13.960   | ug/L   | 99       |
| 8) Chloroethane               | 2.916  | 64    | 19898    | 16.474   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.251  | 101   | 22248    | 15.241   | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062  | 101   | 30543    | 17.150   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 4.032  | 96    | 24289    | 15.736   | ug/L # | 79       |
| 13) Acetone                   | 4.123  | 43    | 10197    | 38.100   | ug/L   | 100      |
| 14) Carbon disulfide          | 4.385  | 76    | 44170    | 11.038   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.666  | 43    | 10953    | 18.179   | ug/L   | 100      |
| 16) Methylene chloride        | 4.916  | 84    | 30700    | 16.739   | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 5.422  | 96    | 26358    | 15.547   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.422  | 73    | 44803    | 19.424   | ug/L # | 88       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 49557    | 18.056   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 33490    | 18.235   | ug/L   | 99       |
| 22) 2-Butanone                | 7.171  | 43    | 15207    | 39.555   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.513  | 128   | 16179    | 18.034   | ug/L   | 97       |
| 25) Chloroform                | 7.677  | 83    | 59656    | 18.628   | ug/L   | 96       |

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 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 11 21:01:07 2022  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 36647    | 18.579 | ug/L   | 97       |
| 29) Cyclohexane               | 7.958  | 56   | 34182    | 14.593 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 50506    | 17.835 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 46080    | 17.122 | ug/L   | 97       |
| 33) Benzene                   | 8.323  | 78   | 118067   | 17.350 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 31883    | 16.363 | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.335  | 83   | 46099    | 15.296 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 29486    | 18.573 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.646  | 83   | 42581    | 18.703 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 45506    | 18.857 | ug/L   | 93       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 34355    | 40.071 | ug/L   | 99       |
| 42) Toluene                   | 10.384 | 91   | 135121   | 17.543 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 40669    | 18.754 | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 26405    | 18.756 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.860 | 164  | 27837    | 16.309 | ug/L   | 90       |
| 48) 2-Hexanone                | 10.969 | 43   | 24722    | 41.546 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.122 | 129  | 33300    | 19.474 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 11.232 | 107  | 23923    | 17.618 | ug/L   | 88       |
| 51) Chlorobenzene             | 11.658 | 112  | 95850    | 17.882 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.731 | 91   | 151410   | 17.763 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.835 | 106  | 61430    | 17.514 | ug/L   | 91       |
| 54) o-Xylene                  | 12.164 | 106  | 60652    | 18.378 | ug/L   | 96       |
| 55) Styrene                   | 12.176 | 104  | 104464   | 18.881 | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 32446    | 19.864 | ug/L   | 99       |
| 59) Bromoform                 | 12.347 | 173  | 18106    | 18.133 | ug/L   | 95       |
| 60) Isopropylbenzene          | 12.463 | 105  | 165318   | 18.239 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 22206    | 18.634 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.939 | 105  | 112824   | 18.719 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 139665   | 18.961 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 81604    | 18.149 | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 81138    | 18.007 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 78295    | 19.585 | ug/L   | 92       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 4852     | 19.259 | ug/L # | 69       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 58239    | 18.046 | ug/L   | 94       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 45307    | 18.554 | ug/L   | 99       |
| 71) Naphthalene               | 15.365 | 128  | 85320    | 19.793 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 39912    | 18.897 | ug/L   | 97       |

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

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