

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082922\  
 Data File : VW024453.D  
 Acq On : 29 Aug 2022 17:51  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.53g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025554

Quant Time: Aug 29 22:58:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082622SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Aug 29 22:53:57 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 296516   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 291824   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 163340   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.343  | 65    | 195882   | 23.965   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 95.840%  |
| 7) Chloroethane-d5            | 2.873  | 69    | 150631   | 24.596   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 98.400%  |
| 11) 1,1-Dichloroethene-d2     | 4.013  | 63    | 182302   | 25.717   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 102.880% |
| 21) 2-Butanone-d5             | 7.080  | 46    | 91152    | 60.546   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 121.100% |
| 24) Chloroform-d              | 7.647  | 84    | 266568   | 27.963   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 111.840% |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 159536   | 27.597   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 110.400% |
| 32) Benzene-d6                | 8.269  | 84    | 475969   | 28.467   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 113.880% |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 153238   | 29.469   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 117.880% |
| 41) Toluene-d8                | 10.323 | 98    | 428650   | 26.964   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 107.840% |
| 43) trans-1,3-Dichloroprop... | 10.573 | 79    | 65682    | 26.992   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 107.960% |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 76403    | 65.659   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 131.320% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 171207   | 29.081   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 116.320% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 172491   | 28.043   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 112.160% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.001  | 85    | 66074    | 22.248   | ug/L   | 99       |
| 3) Chloromethane              | 2.209  | 50    | 152939   | 27.563   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.349  | 62    | 245221   | 25.281   | ug/L   | 99       |
| 6) Bromomethane               | 2.763  | 94    | 148962   | 21.879   | ug/L   | 98       |
| 8) Chloroethane               | 2.910  | 64    | 130250   | 25.706   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.245  | 101   | 74415    | 16.315   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.050  | 101   | 114802   | 26.241   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.032  | 96    | 98179    | 27.720   | ug/L   | 96       |
| 13) Acetone                   | 4.117  | 43    | 48344    | 53.809   | ug/L   | 100      |
| 14) Carbon disulfide          | 4.373  | 76    | 304688   | 25.885   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.672  | 43    | 60613    | 27.578   | ug/L   | 95       |
| 16) Methylene chloride        | 4.909  | 84    | 123068   | 24.747   | ug/L   | 92       |
| 17) trans-1,2-Dichloroethene  | 5.415  | 96    | 116451   | 27.778   | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 216677   | 31.566   | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 215932   | 27.239   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 133992   | 29.064   | ug/L   | 95       |
| 22) 2-Butanone                | 7.177  | 43    | 84604    | 52.780   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.513  | 128   | 61416    | 27.282   | ug/L   | 94       |
| 25) Chloroform                | 7.677  | 83    | 243250   | 27.656   | ug/L   | 93       |

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 Quant Title : SFAM01.0  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 173418   | 27.087 | ug/L # | 95       |
| 29) Cyclohexane               | 7.952  | 56   | 175813   | 27.945 | ug/L   | 96       |
| 30) 1,1,1-Trichloroethane     | 7.866  | 97   | 183616   | 26.688 | ug/L   | 96       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 161745   | 25.697 | ug/L   | 98       |
| 33) Benzene                   | 8.323  | 78   | 521121   | 28.682 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 131458   | 27.452 | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.335  | 83   | 211196   | 27.488 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 128097   | 27.319 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.640  | 83   | 180731   | 28.304 | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 184753   | 28.188 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 190862   | 57.244 | ug/L   | 98       |
| 42) Toluene                   | 10.384 | 91   | 578471   | 28.850 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 170858   | 26.827 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 110562   | 28.916 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.860 | 164  | 97655    | 26.258 | ug/L   | 97       |
| 48) 2-Hexanone                | 10.969 | 43   | 138895   | 56.477 | ug/L   | 96       |
| 49) Dibromochloromethane      | 11.128 | 129  | 130494   | 28.855 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 109214   | 29.710 | ug/L   | 91       |
| 51) Chlorobenzene             | 11.658 | 112  | 380121   | 28.244 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.725 | 91   | 640627   | 28.898 | ug/L   | 96       |
| 53) m,p-Xylene                | 11.835 | 106  | 249408   | 28.648 | ug/L   | 98       |
| 54) o-Xylene                  | 12.164 | 106  | 239318   | 29.405 | ug/L   | 99       |
| 55) Styrene                   | 12.176 | 104  | 432633   | 30.073 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 145675   | 27.295 | ug/L   | 100      |
| 59) Bromoform                 | 12.347 | 173  | 72973    | 27.839 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 651889   | 30.049 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 104461   | 28.280 | ug/L   | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 546377   | 31.234 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 546520   | 32.164 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 290091   | 27.967 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 301953   | 27.573 | ug/L   | 91       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 280014   | 28.799 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 22059    | 23.770 | ug/L   | 90       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 171572   | 25.627 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 140093   | 26.918 | ug/L   | 94       |
| 71) Naphthalene               | 15.365 | 128  | 361985   | 31.670 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 138594   | 28.177 | ug/L   | 99       |

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

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