

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD082523\  
 Data File : VD077015.D  
 Acq On : 25 Aug 2023 14:55  
 Operator : JC/SY  
 Sample : VSTDCCC025  
 Misc : 5.00G/10.0ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025181

Quant Time: Aug 25 23:51:16 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Aug 12 02:16:48 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 284415   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 293662   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 159552   | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.269  | 65    | 140200   | 17.925   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 71.680%   |
| 7) Chloroethane-d5            | 2.793  | 69    | 156447   | 21.636   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 86.560%   |
| 11) 1,1-Dichloroethene-d2     | 3.910  | 65    | 37323    | 20.139   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 80.560%   |
| 21) 2-Butanone-d5             | 6.987  | 46    | 84936    | 67.637   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 135.280%# |
| 24) Chloroform-d              | 7.569  | 84    | 256085   | 27.651   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 110.600%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 131180   | 28.413   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 113.640%  |
| 32) Benzene-d6                | 8.198  | 84    | 469736   | 25.442   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 101.760%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 150488   | 26.510   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 106.040%  |
| 41) Toluene-d8                | 10.269 | 98    | 438967   | 25.932   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 103.720%  |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79    | 66600    | 25.950   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 103.800%  |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 75224    | 69.372   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 138.740%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 169314   | 30.866   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 123.480%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 176220   | 30.210   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 120.840%# |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 1.928  | 85    | 91528    | 19.415   | ug/L   | 100       |
| 3) Chloromethane              | 2.146  | 50    | 163779   | 26.779   | ug/L   | 99        |
| 5) Vinyl chloride             | 2.275  | 62    | 192275   | 21.984   | ug/L   | 96        |
| 6) Bromomethane               | 2.687  | 94    | 136524   | 20.912   | ug/L   | 100       |
| 8) Chloroethane               | 2.828  | 64    | 132172   | 22.449   | ug/L   | 100       |
| 9) Trichlorofluoromethane     | 3.169  | 101   | 165722   | 22.885   | ug/L   | 100       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.958  | 101   | 102665   | 21.758   | ug/L   | 98        |
| 12) 1,1-Dichloroethene        | 3.928  | 96    | 97563    | 23.318   | ug/L   | 90        |
| 13) Acetone                   | 4.016  | 43    | 76100    | 59.263   | ug/L   | 90        |
| 14) Carbon disulfide          | 4.263  | 76    | 332409   | 22.890   | ug/L   | 98        |
| 15) Methyl Acetate            | 4.558  | 43    | 51490    | 23.723   | ug/L # | 83        |
| 16) Methylene chloride        | 4.799  | 84    | 145185   | 24.335   | ug/L   | 79        |
| 17) trans-1,2-Dichloroethene  | 5.305  | 96    | 115845   | 24.453   | ug/L   | 80        |
| 18) Methyl tert-butyl Ether   | 5.322  | 73    | 259663   | 24.810   | ug/L # | 92        |
| 19) 1,1-Dichloroethane        | 6.104  | 63    | 188705   | 23.856   | ug/L   | 96        |
| 20) cis-1,2-Dichloroethene    | 7.075  | 96    | 130810   | 24.735   | ug/L   | 89        |
| 22) 2-Butanone                | 7.075  | 43    | 91465    | 50.910   | ug/L   | 85        |
| 23) Bromochloromethane        | 7.422  | 128   | 64437    | 25.121   | ug/L # | 74        |
| 25) Chloroform                | 7.593  | 83    | 215282   | 24.850   | ug/L   | 94        |

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 Quant Title : SFAM01.0  
 QLast Update : Sat Aug 12 02:16:48 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 134680   | 24.804 | ug/L   | 99       |
| 29) Cyclohexane               | 7.875  | 56   | 136200   | 21.069 | ug/L # | 81       |
| 30) 1,1,1-Trichloroethane     | 7.787  | 97   | 174374   | 23.964 | ug/L   | 96       |
| 31) Carbon tetrachloride      | 7.987  | 117  | 147156   | 24.711 | ug/L   | 100      |
| 33) Benzene                   | 8.246  | 78   | 463908   | 24.100 | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 118828   | 23.705 | ug/L   | 93       |
| 35) Methylcyclohexane         | 9.275  | 83   | 179990   | 22.018 | ug/L   | 90       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 116789   | 23.884 | ug/L # | 97       |
| 38) Bromodichloromethane      | 9.581  | 83   | 162986   | 24.204 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 196560   | 24.907 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 153986   | 49.981 | ug/L # | 89       |
| 42) Toluene                   | 10.334 | 91   | 524417   | 25.054 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.551 | 75   | 173382   | 25.139 | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 108371   | 24.937 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.810 | 164  | 96260    | 25.479 | ug/L   | 91       |
| 48) 2-Hexanone                | 10.922 | 43   | 131692   | 55.583 | ug/L # | 92       |
| 49) Dibromochloromethane      | 11.075 | 129  | 122709   | 25.381 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 106356   | 25.093 | ug/L   | 91       |
| 51) Chlorobenzene             | 11.610 | 112  | 342530   | 25.117 | ug/L   | 95       |
| 52) Ethylbenzene              | 11.687 | 91   | 556478   | 24.949 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.792 | 106  | 220989   | 25.678 | ug/L   | 93       |
| 54) o-Xylene                  | 12.122 | 106  | 210488   | 25.430 | ug/L   | 99       |
| 55) Styrene                   | 12.134 | 104  | 391144   | 26.136 | ug/L   | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 134966   | 25.110 | ug/L   | 96       |
| 59) Bromoform                 | 12.298 | 173  | 83401    | 26.357 | ug/L # | 98       |
| 60) Isopropylbenzene          | 12.422 | 105  | 542183   | 23.628 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 87712    | 23.554 | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 431429   | 24.681 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 435316   | 25.023 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 258591   | 24.693 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 13.539 | 146  | 269355   | 24.883 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.828 | 146  | 241299   | 24.579 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75   | 19200    | 22.503 | ug/L # | 88       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 168145   | 25.657 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.104 | 180  | 149413   | 25.918 | ug/L   | 97       |
| 71) Naphthalene               | 15.333 | 128  | 338229   | 24.952 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 136422   | 26.095 | ug/L   | 97       |

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

