

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD022323\  
 Data File : VD075418.D  
 Acq On : 23 Feb 2023 17:19  
 Operator : KP/SY  
 Sample : VSTDICV025  
 Misc : 5.00G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VICV110

Quant Time: Feb 24 00:02:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM022323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Feb 23 23:55:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.781  | 114   | 88436    | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 80828    | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 40523    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.275  | 65    | 38738    | 22.110   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 88.440%  |
| 7) Chloroethane-d5            | 2.805  | 69    | 32284    | 21.791   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 87.160%  |
| 11) 1,1-Dichloroethene-d2     | 3.922  | 63    | 60077    | 22.968   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 91.880%  |
| 21) 2-Butanone-d5             | 6.993  | 46    | 12204    | 46.708   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 93.420%  |
| 24) Chloroform-d              | 7.569  | 84    | 57663    | 22.619   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 90.480%  |
| 26) 1,2-Dichloroethane-d4     | 8.234  | 65    | 29032    | 23.023   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 92.080%  |
| 32) Benzene-d6                | 8.205  | 84    | 113537   | 22.500   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 90.000%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 32996    | 21.999   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 88.000%  |
| 41) Toluene-d8                | 10.269 | 98    | 104292   | 22.860   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 91.440%  |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 13459    | 22.283   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 89.120%  |
| 47) 2-Hexanone-d5             | 10.881 | 63    | 8953     | 45.349   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 90.700%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.657 | 84    | 24009    | 22.647   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 90.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 31861    | 22.273   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 89.080%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 38419    | 22.650   | ug/L   | 96       |
| 3) Chloromethane              | 2.146  | 50    | 47029    | 23.200   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.281  | 62    | 50982    | 22.625   | ug/L   | 98       |
| 6) Bromomethane               | 2.693  | 94    | 27381    | 24.411   | ug/L   | 97       |
| 8) Chloroethane               | 2.840  | 64    | 33147    | 24.147   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.175  | 101   | 60449    | 23.717   | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.975  | 101   | 36318    | 23.732   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 3.940  | 96    | 31352    | 23.800   | ug/L   | 97       |
| 13) Acetone                   | 4.022  | 43    | 15706    | 44.347   | ug/L   | 99       |
| 14) Carbon disulfide          | 4.269  | 76    | 98053    | 23.088   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.564  | 43    | 14343    | 26.368   | ug/L # | 85       |
| 16) Methylene chloride        | 4.805  | 84    | 36267    | 20.508   | ug/L   | 92       |
| 17) trans-1,2-Dichloroethene  | 5.316  | 96    | 33759    | 24.863   | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 5.316  | 73    | 71314    | 25.742   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.111  | 63    | 64518    | 24.672   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.081  | 96    | 35275    | 24.339   | ug/L   | 100      |
| 22) 2-Butanone                | 7.087  | 43    | 19016    | 46.140   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.428  | 128   | 16275    | 25.372   | ug/L # | 80       |
| 25) Chloroform                | 7.599  | 83    | 65912    | 24.563   | ug/L   | 94       |

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Quant Time: Feb 24 00:02:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM022323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Feb 23 23:55:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 41603    | 24.665 | ug/L   | 98       |
| 29) Cyclohexane               | 7.875  | 56   | 53194    | 24.033 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 60588    | 24.646 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 49195    | 23.308 | ug/L   | 97       |
| 33) Benzene                   | 8.252  | 78   | 141281   | 24.388 | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 37105    | 24.091 | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.275  | 83   | 57978    | 23.498 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 37312    | 24.711 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.587  | 83   | 47922    | 24.532 | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 55113    | 25.149 | ug/L   | 90       |
| 40) 4-Methyl-2-pentanone      | 10.163 | 43   | 40506    | 49.924 | ug/L   | 98       |
| 42) Toluene                   | 10.334 | 91   | 152844   | 24.905 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.557 | 75   | 47071    | 25.821 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 26343    | 24.969 | ug/L   | 94       |
| 46) Tetrachloroethene         | 10.810 | 164  | 28737    | 23.648 | ug/L   | 95       |
| 48) 2-Hexanone                | 10.922 | 43   | 29122    | 48.512 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.075 | 129  | 31479    | 25.380 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 24456    | 25.086 | ug/L # | 91       |
| 51) Chlorobenzene             | 11.610 | 112  | 93750    | 24.087 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.687 | 91   | 172588   | 25.457 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.793 | 106  | 64464    | 25.217 | ug/L   | 88       |
| 54) o-Xylene                  | 12.122 | 106  | 61404    | 25.407 | ug/L   | 98       |
| 55) Styrene                   | 12.140 | 104  | 107341   | 25.563 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 28658    | 24.450 | ug/L   | 100      |
| 59) Bromoform                 | 12.304 | 173  | 18396    | 24.534 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.422 | 105  | 170770   | 25.097 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 20318    | 25.416 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.910 | 105  | 136346   | 25.571 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 133017   | 25.879 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 13.463 | 146  | 72009    | 24.313 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.540 | 146  | 74009    | 24.483 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 63679    | 24.526 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.451 | 75   | 4262     | 23.663 | ug/L   | 93       |
| 69) 1,3,5-Trichlorobenzene    | 14.598 | 180  | 48269    | 24.725 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.104 | 180  | 38976    | 24.816 | ug/L   | 97       |
| 71) Naphthalene               | 15.334 | 128  | 72771    | 25.627 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 35755    | 26.397 | ug/L   | 97       |

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

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