

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD030223\  
 Data File : VD075440.D  
 Acq On : 02 Mar 2023 13:44  
 Operator : KP/SY  
 Sample : VSTDCCC025EC  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025103

Quant Time: Mar 03 04:39:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM030123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 03 04:38:18 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.781  | 114   | 337819   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.586 | 117   | 299969   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 151739   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.281  | 65    | 155546   | 18.544   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 74.160%  |
| 7) Chloroethane-d5            | 2.810  | 69    | 146309   | 20.156   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 80.640%  |
| 11) 1,1-Dichloroethene-d2     | 3.928  | 63    | 166917   | 21.304   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 85.200%  |
| 21) 2-Butanone-d5             | 6.987  | 46    | 32587    | 41.923   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 83.840%  |
| 24) Chloroform-d              | 7.569  | 84    | 192286   | 21.720   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 86.880%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 81224    | 21.178   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 84.720%  |
| 32) Benzene-d6                | 8.204  | 84    | 383284   | 21.515   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 86.080%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 111622   | 22.169   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 88.680%  |
| 41) Toluene-d8                | 10.269 | 98    | 363470   | 22.365   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 89.480%  |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 45972    | 22.343   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 89.360%  |
| 47) 2-Hexanone-d5             | 10.881 | 63    | 31173    | 42.916   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 85.840%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.657 | 84    | 92455    | 21.952   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 87.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.822 | 152   | 114434   | 21.560   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 86.240%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 126574   | 24.354   | ug/L   | 99       |
| 3) Chloromethane              | 2.152  | 50    | 171267   | 19.595   | ug/L   | 97       |
| 5) Vinyl chloride             | 2.287  | 62    | 256342   | 23.321   | ug/L   | 95       |
| 6) Bromomethane               | 2.699  | 94    | 172372   | 33.088   | ug/L   | 100      |
| 8) Chloroethane               | 2.840  | 64    | 175941   | 25.454   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.181  | 101   | 205357   | 24.957   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.975  | 101   | 146007   | 25.686   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 3.946  | 96    | 122682   | 24.510   | ug/L   | 95       |
| 13) Acetone                   | 4.022  | 43    | 43332    | 49.349   | ug/L   | 62       |
| 14) Carbon disulfide          | 4.275  | 76    | 343873   | 24.569   | ug/L   | 97       |
| 15) Methyl Acetate            | 4.569  | 43    | 35475    | 23.807   | ug/L   | # 81     |
| 16) Methylene chloride        | 4.805  | 84    | 161843   | 22.684   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.316  | 96    | 134924   | 25.147   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.310  | 73    | 250628   | 25.135   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.110  | 63    | 229776   | 25.315   | ug/L   | 95       |
| 20) cis-1,2-Dichloroethene    | 7.081  | 96    | 151643   | 25.019   | ug/L   | 98       |
| 22) 2-Butanone                | 7.081  | 43    | 51860    | 46.543   | ug/L   | 96       |
| 23) Bromochloromethane        | 7.428  | 128   | 66836    | 25.739   | ug/L   | 87       |
| 25) Chloroform                | 7.598  | 83    | 250594   | 25.320   | ug/L   | 96       |

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 MSVOA\_D  
 ClientSampleId :  
 VSTD025103

Quant Time: Mar 03 04:39:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM030123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 03 04:38:18 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 133855   | 25.080 | ug/L   | 100      |
| 29) Cyclohexane               | 7.881  | 56   | 170913   | 26.628 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.798  | 97   | 207849   | 25.769 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 7.998  | 117  | 172500   | 26.927 | ug/L   | 100      |
| 33) Benzene                   | 8.251  | 78   | 556213   | 25.801 | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 145721   | 25.883 | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.275  | 83   | 233122   | 26.524 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 134558   | 25.401 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.587  | 83   | 179890   | 25.671 | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 10.022 | 75   | 210682   | 25.987 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.163 | 43   | 105159   | 51.764 | ug/L   | 99       |
| 42) Toluene                   | 10.334 | 91   | 625309   | 26.495 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 10.557 | 75   | 171733   | 25.711 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 112245   | 26.529 | ug/L   | 99       |
| 46) Tetrachloroethene         | 10.810 | 164  | 110695   | 25.659 | ug/L   | 95       |
| 48) 2-Hexanone                | 10.928 | 43   | 76975    | 51.499 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.075 | 129  | 120534   | 26.079 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 99890    | 26.118 | ug/L # | 99       |
| 51) Chlorobenzene             | 11.610 | 112  | 397251   | 25.897 | ug/L   | 99       |
| 52) Ethylbenzene              | 11.686 | 91   | 670839   | 26.729 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.798 | 106  | 266810   | 26.982 | ug/L   | 98       |
| 54) o-Xylene                  | 12.128 | 106  | 250855   | 26.818 | ug/L   | 96       |
| 55) Styrene                   | 12.139 | 104  | 449065   | 27.030 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.681 | 83   | 119033   | 25.705 | ug/L   | 96       |
| 59) Bromoform                 | 12.304 | 173  | 70389    | 25.708 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.428 | 105  | 685435   | 26.859 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 74466    | 24.482 | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 12.910 | 105  | 525510   | 27.431 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 516412   | 27.568 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.463 | 146  | 292414   | 25.902 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 13.545 | 146  | 298611   | 25.714 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 13.839 | 146  | 258594   | 25.708 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.457 | 75   | 15357    | 25.998 | ug/L   | 89       |
| 69) 1,3,5-Trichlorobenzene    | 14.598 | 180  | 180001   | 25.426 | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 15.104 | 180  | 148522   | 26.093 | ug/L   | 99       |
| 71) Naphthalene               | 15.339 | 128  | 285630   | 25.301 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.527 | 180  | 128027   | 25.518 | ug/L   | 97       |

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

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