

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032023\  
 Data File : VD075512.D  
 Acq On : 20 Mar 2023 10:56  
 Operator : KP/SY  
 Sample : VSTDCCC025  
 Misc : 5.00G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025108

Quant Time: Mar 21 05:30:48 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM030123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 03 23:23:38 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 280945   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.587 | 117   | 253387   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 131095   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.275  | 65    | 129214   | 18.523   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 74.080%  |
| 7) Chloroethane-d5            | 2.805  | 69    | 126696   | 20.987   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 83.960%  |
| 11) 1,1-Dichloroethene-d2     | 3.928  | 63    | 137356   | 21.080   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 84.320%  |
| 21) 2-Butanone-d5             | 6.993  | 46    | 31742    | 49.103   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 98.200%  |
| 24) Chloroform-d              | 7.569  | 84    | 181853   | 24.699   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 98.800%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 73338    | 22.993   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 91.960%  |
| 32) Benzene-d6                | 8.205  | 84    | 337821   | 22.449   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 89.800%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 101474   | 23.859   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 95.440%  |
| 41) Toluene-d8                | 10.269 | 98    | 314228   | 22.890   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 91.560%  |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 42598    | 24.510   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 98.040%  |
| 47) 2-Hexanone-d5             | 10.881 | 63    | 31268    | 50.961   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 101.920% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 91958    | 25.848   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 103.400% |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 115796   | 25.252   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 101.000% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 108494   | 25.101   | ug/L   | 99       |
| 3) Chloromethane              | 2.152  | 50    | 159670   | 21.967   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.287  | 62    | 226838   | 24.815   | ug/L   | 97       |
| 6) Bromomethane               | 2.699  | 94    | 126694   | 29.243   | ug/L   | 98       |
| 8) Chloroethane               | 2.840  | 64    | 150628   | 26.203   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.175  | 101   | 195091   | 28.509   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.964  | 101   | 134502   | 28.452   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 3.946  | 96    | 114341   | 27.468   | ug/L # | 80       |
| 13) Acetone                   | 4.022  | 43    | 33173    | 45.428   | ug/L   | 92       |
| 14) Carbon disulfide          | 4.269  | 76    | 277135   | 23.809   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.564  | 43    | 29577    | 23.867   | ug/L   | 93       |
| 16) Methylene chloride        | 4.799  | 84    | 124487   | 20.980   | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 5.316  | 96    | 119853   | 26.860   | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 5.316  | 73    | 222082   | 26.781   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 6.116  | 63    | 189669   | 25.127   | ug/L   | 93       |
| 20) cis-1,2-Dichloroethene    | 7.081  | 96    | 137796   | 27.337   | ug/L   | 89       |
| 22) 2-Butanone                | 7.081  | 43    | 39660    | 42.799   | ug/L   | 91       |
| 23) Bromochloromethane        | 7.428  | 128   | 60508    | 28.019   | ug/L   | 91       |
| 25) Chloroform                | 7.593  | 83    | 224675   | 27.297   | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032023\  
 Data File : VD075512.D  
 Acq On : 20 Mar 2023 10:56  
 Operator : KP/SY  
 Sample : VSTDCCC025  
 Misc : 5.00G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025108

Quant Time: Mar 21 05:30:48 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM030123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 03 23:23:38 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 110055   | 24.795 | ug/L   | 97       |
| 29) Cyclohexane               | 7.881  | 56   | 135252   | 24.946 | ug/L   | 92       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 192146   | 28.202 | ug/L   | 96       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 159991   | 29.565 | ug/L   | 99       |
| 33) Benzene                   | 8.252  | 78   | 473186   | 25.985 | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 129973   | 27.330 | ug/L   | 98       |
| 35) Methylcyclohexane         | 9.275  | 83   | 197895   | 26.655 | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 9.305  | 63   | 111312   | 24.875 | ug/L # | 97       |
| 38) Bromodichloromethane      | 9.587  | 83   | 159345   | 26.919 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 180383   | 26.340 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 83419    | 48.611 | ug/L   | 98       |
| 42) Toluene                   | 10.334 | 91   | 556495   | 27.914 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.557 | 75   | 147637   | 26.166 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 98317    | 27.509 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.810 | 164  | 107022   | 29.368 | ug/L   | 96       |
| 48) 2-Hexanone                | 10.922 | 43   | 61011    | 48.322 | ug/L   | 95       |
| 49) Dibromochloromethane      | 11.075 | 129  | 112995   | 28.943 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 90251    | 27.936 | ug/L # | 99       |
| 51) Chlorobenzene             | 11.610 | 112  | 356239   | 27.493 | ug/L   | 99       |
| 52) Ethylbenzene              | 11.687 | 91   | 597305   | 28.174 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.798 | 106  | 238179   | 28.514 | ug/L   | 99       |
| 54) o-Xylene                  | 12.122 | 106  | 228483   | 28.916 | ug/L   | 99       |
| 55) Styrene                   | 12.140 | 104  | 409702   | 29.194 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 104104   | 26.614 | ug/L   | 95       |
| 59) Bromoform                 | 12.304 | 173  | 64999    | 27.477 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.422 | 105  | 627030   | 28.439 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 64974    | 24.725 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 483958   | 29.240 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 466917   | 28.851 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.463 | 146  | 275318   | 28.228 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.540 | 146  | 283249   | 28.232 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 239875   | 27.603 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.451 | 75   | 12567    | 24.625 | ug/L # | 73       |
| 69) 1,3,5-Trichlorobenzene    | 14.598 | 180  | 173032   | 28.291 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.104 | 180  | 141670   | 28.809 | ug/L   | 100      |
| 71) Naphthalene               | 15.339 | 128  | 265277   | 27.198 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.528 | 180  | 125024   | 28.843 | ug/L   | 99       |

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

