

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062723\  
 Data File : VD076589.D  
 Acq On : 27 Jun 2023 12:30  
 Operator : KP/SY  
 Sample : VSTDCCC025  
 Misc : 5.00G/10.0ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025160

Quant Time: Jun 28 05:04:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM061523SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 16 01:50:34 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 251193   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 225124   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 113279   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.270  | 65    | 147966   | 24.188   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 96.760%  |
| 7) Chloroethane-d5            | 2.799  | 69    | 111452   | 22.532   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 90.120%  |
| 11) 1,1-Dichloroethene-d2     | 3.917  | 65    | 41315    | 25.874   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 103.480% |
| 21) 2-Butanone-d5             | 6.987  | 46    | 42621    | 46.005   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 92.000%  |
| 24) Chloroform-d              | 7.563  | 84    | 163525   | 24.709   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 98.840%  |
| 26) 1,2-Dichloroethane-d4     | 8.234  | 65    | 81078    | 24.834   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 99.320%  |
| 32) Benzene-d6                | 8.205  | 84    | 332755   | 24.163   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 96.640%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 103516   | 23.549   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 94.200%  |
| 41) Toluene-d8                | 10.269 | 98    | 312974   | 24.544   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 98.160%  |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79    | 43042    | 23.542   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 94.160%  |
| 47) 2-Hexanone-d5             | 10.881 | 63    | 30644    | 44.910   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 89.820%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 79021    | 25.268   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 101.080% |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 99973    | 24.077   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 96.320%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 106647   | 27.246   | ug/L   | 99       |
| 3) Chloromethane              | 2.146  | 50    | 155610   | 23.914   | ug/L   | 97       |
| 5) Vinyl chloride             | 2.281  | 62    | 173442   | 24.708   | ug/L   | 97       |
| 6) Bromomethane               | 2.687  | 94    | 85352    | 21.953   | ug/L   | 98       |
| 8) Chloroethane               | 2.828  | 64    | 102815   | 23.912   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.170  | 101   | 142759   | 28.127   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.964  | 101   | 93651    | 28.447   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 3.928  | 96    | 85986    | 26.376   | ug/L # | 84       |
| 13) Acetone                   | 4.017  | 43    | 34428    | 46.009   | ug/L   | 100      |
| 14) Carbon disulfide          | 4.264  | 76    | 307644   | 26.033   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.564  | 43    | 38589    | 22.591   | ug/L # | 86       |
| 16) Methylene chloride        | 4.799  | 84    | 99279    | 22.739   | ug/L   | 91       |
| 17) trans-1,2-Dichloroethene  | 5.305  | 96    | 92825    | 25.540   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.316  | 73    | 193338   | 23.365   | ug/L # | 91       |
| 19) 1,1-Dichloroethane        | 6.116  | 63    | 167458   | 25.201   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.081  | 96    | 100014   | 24.639   | ug/L   | 98       |
| 22) 2-Butanone                | 7.087  | 43    | 53937    | 44.665   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.428  | 128   | 45037    | 26.142   | ug/L   | 94       |
| 25) Chloroform                | 7.599  | 83    | 166052   | 25.606   | ug/L   | 95       |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025160

Quant Time: Jun 28 05:04:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM061523SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 16 01:50:34 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.322  | 62   | 101657   | 25.490 | ug/L   | 96       |
| 29) Cyclohexane               | 7.875  | 56   | 148732   | 24.844 | ug/L   | 96       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 136731   | 26.144 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 114180   | 27.299 | ug/L   | 99       |
| 33) Benzene                   | 8.252  | 78   | 378187   | 25.382 | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 94781    | 24.763 | ug/L   | 93       |
| 35) Methylcyclohexane         | 9.275  | 83   | 161911   | 26.233 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 98938    | 24.356 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.587  | 83   | 117967   | 25.462 | ug/L # | 98       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 153422   | 24.734 | ug/L   | 94       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 117787   | 46.611 | ug/L   | 99       |
| 42) Toluene                   | 10.334 | 91   | 411679   | 25.856 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 10.557 | 75   | 122919   | 24.380 | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 68241    | 24.492 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.810 | 164  | 77606    | 25.792 | ug/L   | 91       |
| 48) 2-Hexanone                | 10.922 | 43   | 82713    | 47.792 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.075 | 129  | 81642    | 25.784 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 67512    | 24.965 | ug/L   | 93       |
| 51) Chlorobenzene             | 11.610 | 112  | 249603   | 25.109 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.687 | 91   | 447513   | 26.076 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.793 | 106  | 173231   | 25.685 | ug/L   | 98       |
| 54) o-Xylene                  | 12.122 | 106  | 163715   | 25.494 | ug/L   | 96       |
| 55) Styrene                   | 12.134 | 104  | 286348   | 25.810 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 81919    | 25.726 | ug/L   | 96       |
| 59) Bromoform                 | 12.304 | 173  | 50840    | 25.070 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.422 | 105  | 449470   | 25.941 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 54958    | 24.999 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 346419   | 24.990 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 343679   | 25.124 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.463 | 146  | 192361   | 24.955 | ug/L   | 100      |
| 65) 1,4-Dichlorobenzene       | 13.540 | 146  | 191680   | 24.669 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 167242   | 24.355 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75   | 12004    | 24.501 | ug/L   | 90       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 130219   | 25.327 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 107646   | 23.531 | ug/L   | 99       |
| 71) Naphthalene               | 15.334 | 128  | 202593   | 23.131 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 92654    | 23.323 | ug/L   | 97       |

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

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