

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD091124\  
 Data File : VD079821.D  
 Acq On : 11 Sep 2024 16:00  
 Operator : RP/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025903

Quant Time: Sep 12 01:26:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM091024SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Sep 12 01:25:24 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 170758   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 173973   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 84612    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.275  | 65    | 160197   | 21.575   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 86.280%  |
| 7) Chloroethane-d5            | 2.799  | 69    | 131646   | 22.394   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 89.560%  |
| 11) 1,1-Dichloroethene-d2     | 3.911  | 65    | 29474    | 21.863   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 87.440%  |
| 21) 2-Butanone-d5             | 6.981  | 46    | 34210    | 49.588   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 99.180%  |
| 24) Chloroform-d              | 7.563  | 84    | 132989   | 23.693   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 94.760%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 75579    | 25.750   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 103.000% |
| 32) Benzene-d6                | 8.199  | 84    | 288378   | 23.479   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 93.920%  |
| 36) 1,2-Dichloropropane-d6    | 9.205  | 67    | 86236    | 22.925   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 91.680%  |
| 41) Toluene-d8                | 10.263 | 98    | 264213   | 24.446   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 97.800%  |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79    | 39477    | 24.410   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 97.640%  |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 32480    | 52.967   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 105.940% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.646 | 84    | 70112    | 25.364   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 101.440% |
| 66) 1,2-Dichlorobenzene-d4    | 13.810 | 152   | 75844    | 23.769   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 95.080%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 72830    | 22.368   | ug/L   | 98       |
| 3) Chloromethane              | 2.146  | 50    | 137736   | 24.132   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.281  | 62    | 161810   | 23.135   | ug/L   | 98       |
| 6) Bromomethane               | 2.693  | 94    | 83769    | 23.786   | ug/L   | 98       |
| 8) Chloroethane               | 2.834  | 64    | 111222   | 24.069   | ug/L   | 91       |
| 9) Trichlorofluoromethane     | 3.170  | 101   | 116110   | 23.088   | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.964  | 101   | 66267    | 23.806   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 3.940  | 96    | 62748    | 24.202   | ug/L   | 74       |
| 13) Acetone                   | 4.022  | 43    | 52593    | 62.530   | ug/L   | 72       |
| 14) Carbon disulfide          | 4.269  | 76    | 194835   | 23.102   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.564  | 43    | 35364    | 26.396   | ug/L # | 76       |
| 16) Methylene chloride        | 4.799  | 84    | 87839    | 26.033   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.311  | 96    | 70591    | 25.535   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 5.316  | 73    | 171070   | 27.508   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.111  | 63    | 139725   | 25.446   | ug/L   | 95       |
| 20) cis-1,2-Dichloroethene    | 7.075  | 96    | 79415    | 26.091   | ug/L   | 98       |
| 22) 2-Butanone                | 7.081  | 43    | 56307    | 57.070   | ug/L   | 94       |
| 23) Bromochloromethane        | 7.422  | 128   | 35756    | 27.678   | ug/L   | 89       |
| 25) Chloroform                | 7.593  | 83    | 153283   | 26.817   | ug/L   | 93       |

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 ALS Vial : 8 Sample Multiplier: 1

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 MSVOA\_D  
 ClientSampleId :  
 VSTD025903

Quant Time: Sep 12 01:26:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM091024SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Sep 12 01:25:24 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.322  | 62   | 90472    | 25.897 | ug/L   | 96       |
| 29) Cyclohexane               | 7.875  | 56   | 96523    | 22.430 | ug/L   | 95       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 113071   | 23.844 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 7.987  | 117  | 102119   | 24.305 | ug/L   | 99       |
| 33) Benzene                   | 8.246  | 78   | 329052   | 25.401 | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 72362    | 24.174 | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.269  | 83   | 109510   | 22.671 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.305  | 63   | 91631    | 25.937 | ug/L # | 100      |
| 38) Bromodichloromethane      | 9.581  | 83   | 107016   | 25.997 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 132282   | 26.664 | ug/L   | 93       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 104866   | 56.705 | ug/L   | 98       |
| 42) Toluene                   | 10.328 | 91   | 357381   | 26.190 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.552 | 75   | 117430   | 26.859 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.728 | 97   | 67796    | 28.088 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.804 | 164  | 50814    | 25.005 | ug/L   | 96       |
| 48) 2-Hexanone                | 10.916 | 43   | 88694    | 58.961 | ug/L   | 97       |
| 49) Dibromochloromethane      | 11.069 | 129  | 70090    | 26.604 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 11.175 | 107  | 55199    | 26.478 | ug/L   | 93       |
| 51) Chlorobenzene             | 11.604 | 112  | 210572   | 25.714 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.681 | 91   | 373592   | 26.062 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.793 | 106  | 144142   | 26.548 | ug/L   | 97       |
| 54) o-Xylene                  | 12.116 | 106  | 140413   | 26.376 | ug/L   | 98       |
| 55) Styrene                   | 12.134 | 104  | 258924   | 27.674 | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 80454    | 28.437 | ug/L   | 97       |
| 59) Bromoform                 | 12.293 | 173  | 39499    | 27.043 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.416 | 105  | 364523   | 24.953 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.716 | 75   | 54949    | 26.420 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.898 | 105  | 286399   | 26.807 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 290057   | 25.889 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 155380   | 25.738 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.534 | 146  | 163725   | 25.856 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 13.828 | 146  | 143229   | 26.250 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.440 | 75   | 11421    | 26.839 | ug/L   | 97       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 92820    | 25.357 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.092 | 180  | 73807    | 23.948 | ug/L   | 96       |
| 71) Naphthalene               | 15.328 | 128  | 175890   | 25.552 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 71446    | 25.916 | ug/L   | 96       |

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

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