

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061124\  
 Data File : VD079175.D  
 Acq On : 11 Jun 2024 21:06  
 Operator : RP/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025894

Quant Time: Jun 12 01:09:10 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jun 12 01:05:41 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 171819   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 173201   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 89523    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.275  | 65    | 74858    | 14.158   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 56.640%  |
| 7) Chloroethane-d5            | 2.799  | 69    | 78941    | 15.441   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 61.760%  |
| 11) 1,1-Dichloroethene-d2     | 3.922  | 65    | 13081    | 13.936   | ug/L   | 0.01     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 55.760%  |
| 21) 2-Butanone-d5             | 6.993  | 46    | 18263    | 45.159   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 90.320%  |
| 24) Chloroform-d              | 7.569  | 84    | 91767    | 19.102   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 76.400%  |
| 26) 1,2-Dichloroethane-d4     | 8.234  | 65    | 44708    | 20.173   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 80.680%  |
| 32) Benzene-d6                | 8.204  | 84    | 174800   | 18.205   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 72.840%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 50294    | 18.184   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 72.720%  |
| 41) Toluene-d8                | 10.269 | 98    | 166357   | 18.504   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 74.000%  |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79    | 22824    | 19.633   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 78.520%  |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 15831    | 44.276   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 88.560%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 53269    | 21.744   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 86.960%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.810 | 152   | 57349    | 18.562   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 74.240%# |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 52007    | 19.121   | ug/L   | 99       |
| 3) Chloromethane              | 2.146  | 50    | 96768    | 26.694   | ug/L   | 97       |
| 5) Vinyl chloride             | 2.281  | 62    | 130419   | 21.797   | ug/L   | 96       |
| 6) Bromomethane               | 2.693  | 94    | 98497    | 21.323   | ug/L   | 98       |
| 8) Chloroethane               | 2.834  | 64    | 93978    | 21.429   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.175  | 101   | 100176   | 21.978   | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.963  | 101   | 61640    | 22.552   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 3.940  | 96    | 54273    | 22.808   | ug/L   | 87       |
| 13) Acetone                   | 4.022  | 43    | 24943    | 42.602   | ug/L   | 99       |
| 14) Carbon disulfide          | 4.269  | 76    | 179159   | 21.583   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.563  | 43    | 22058    | 27.651   | ug/L   | 91       |
| 16) Methylene chloride        | 4.805  | 84    | 88530    | 28.917   | ug/L   | 93       |
| 17) trans-1,2-Dichloroethene  | 5.310  | 96    | 61865    | 24.058   | ug/L   | 93       |
| 18) Methyl tert-butyl Ether   | 5.316  | 73    | 125411   | 27.498   | ug/L # | 90       |
| 19) 1,1-Dichloroethane        | 6.110  | 63    | 111096   | 26.833   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.075  | 96    | 70507    | 26.332   | ug/L   | 96       |
| 22) 2-Butanone                | 7.087  | 43    | 31401    | 51.054   | ug/L   | 91       |
| 23) Bromochloromethane        | 7.422  | 128   | 35428    | 26.097   | ug/L   | 95       |
| 25) Chloroform                | 7.599  | 83    | 122388   | 26.036   | ug/L   | 95       |

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 ALS Vial : 14 Sample Multiplier: 1

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 MSVOA\_D  
 ClientSampleId :  
 VSTD025894

Quant Time: Jun 12 01:09:10 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jun 12 01:05:41 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.322  | 62   | 73541    | 26.951 | ug/L   | 96       |
| 29) Cyclohexane               | 7.881  | 56   | 70520    | 22.566 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 101445   | 24.739 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 89581    | 23.508 | ug/L   | 98       |
| 33) Benzene                   | 8.251  | 78   | 271000   | 26.270 | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 63720    | 23.982 | ug/L   | 93       |
| 35) Methylcyclohexane         | 9.275  | 83   | 99106    | 22.511 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 68585    | 27.143 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.587  | 83   | 94358    | 26.863 | ug/L # | 97       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 102590   | 26.009 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 62110    | 58.883 | ug/L   | 95       |
| 42) Toluene                   | 10.334 | 91   | 295476   | 25.795 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 10.551 | 75   | 91115    | 27.317 | ug/L   | 91       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 60402    | 27.248 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.810 | 164  | 53172    | 22.728 | ug/L   | 92       |
| 48) 2-Hexanone                | 10.922 | 43   | 44030    | 48.240 | ug/L   | 93       |
| 49) Dibromochloromethane      | 11.069 | 129  | 69279    | 26.391 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 56632    | 27.798 | ug/L   | 100      |
| 51) Chlorobenzene             | 11.604 | 112  | 194759   | 25.553 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.681 | 91   | 307224   | 25.712 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.792 | 106  | 123597   | 26.365 | ug/L   | 94       |
| 54) o-Xylene                  | 12.122 | 106  | 120806   | 26.673 | ug/L   | 98       |
| 55) Styrene                   | 12.134 | 104  | 220847   | 27.500 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 69580    | 28.041 | ug/L # | 97       |
| 59) Bromoform                 | 12.298 | 173  | 43873    | 26.739 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.422 | 105  | 302673   | 25.569 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.722 | 75   | 46431    | 29.377 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 206342   | 25.495 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 228820   | 26.433 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 143680   | 25.266 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.534 | 146  | 153503   | 25.476 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 13.828 | 146  | 133720   | 25.437 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.439 | 75   | 9321     | 28.688 | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 85498    | 23.838 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 68902    | 23.132 | ug/L   | 98       |
| 71) Naphthalene               | 15.328 | 128  | 143983   | 25.847 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 66547    | 25.849 | ug/L   | 98       |

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

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