

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111224\  
 Data File : VD079995.D  
 Acq On : 12 Nov 2024 13:19  
 Operator : RP/MD  
 Sample : VSTDICV025  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VICV849

Quant Time: Nov 13 03:15:39 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM111224SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Nov 13 03:10:14 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 275419   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 254101   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 129177   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.275  | 65    | 74063    | 18.041   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 72.160%  |
| 7) Chloroethane-d5            | 2.805  | 69    | 69140    | 20.328   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 81.320%  |
| 11) 1,1-Dichloroethene-d2     | 3.917  | 65    | 36270    | 21.552   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 86.200%  |
| 21) 2-Butanone-d5             | 6.987  | 46    | 31344    | 36.262   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 72.520%  |
| 24) Chloroform-d              | 7.569  | 84    | 192679   | 24.633   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 98.520%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 93724    | 22.097   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 88.400%  |
| 32) Benzene-d6                | 8.205  | 84    | 390975   | 26.755   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 107.000% |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 118128   | 25.058   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 100.240% |
| 41) Toluene-d8                | 10.269 | 98    | 348239   | 26.180   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 104.720% |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79    | 46333    | 24.421   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 97.680%  |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 28218    | 40.655   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 81.300%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 82430    | 21.830   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 87.320%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 109899   | 24.550   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 98.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 93170    | 22.246   | ug/L   | 99       |
| 3) Chloromethane              | 2.146  | 50    | 82102    | 23.967   | ug/L   | 96       |
| 5) Vinyl chloride             | 2.287  | 62    | 91512    | 21.278   | ug/L   | 98       |
| 6) Bromomethane               | 2.699  | 94    | 74654    | 24.568   | ug/L   | 98       |
| 8) Chloroethane               | 2.840  | 64    | 60713    | 22.170   | ug/L   | 92       |
| 9) Trichlorofluoromethane     | 3.181  | 101   | 164219   | 22.830   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.975  | 101   | 105531   | 24.261   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 3.940  | 96    | 94384    | 25.577   | ug/L   | 95       |
| 13) Acetone                   | 4.022  | 43    | 40751    | 39.747   | ug/L   | 97       |
| 14) Carbon disulfide          | 4.275  | 76    | 308052   | 24.991   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.558  | 43    | 32057    | 19.931   | ug/L # | 89       |
| 16) Methylene chloride        | 4.805  | 84    | 107510   | 23.526   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.316  | 96    | 106183   | 26.135   | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 5.322  | 73    | 179508   | 22.715   | ug/L # | 86       |
| 19) 1,1-Dichloroethane        | 6.116  | 63    | 186757   | 24.603   | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 7.081  | 96    | 119090   | 26.870   | ug/L   | 95       |
| 22) 2-Butanone                | 7.081  | 43    | 45410    | 37.319   | ug/L   | 75       |
| 23) Bromochloromethane        | 7.428  | 128   | 53323    | 24.228   | ug/L   | 94       |
| 25) Chloroform                | 7.599  | 83    | 213719   | 24.355   | ug/L   | 98       |

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 MSVOA\_D  
 ClientSampleId :  
 VICV849

Quant Time: Nov 13 03:15:39 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM111224SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Nov 13 03:10:14 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.322  | 62   | 115827   | 22.604 | ug/L   | 97       |
| 29) Cyclohexane               | 7.881  | 56   | 144305   | 26.269 | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 172095   | 26.468 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 153273   | 26.847 | ug/L   | 99       |
| 33) Benzene                   | 8.252  | 78   | 444675   | 28.003 | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 111524   | 26.189 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.275  | 83   | 161567   | 25.959 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.305  | 63   | 117417   | 26.470 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.581  | 83   | 142998   | 25.297 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 163174   | 25.465 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 89798    | 42.874 | ug/L   | 100      |
| 42) Toluene                   | 10.334 | 91   | 484764   | 27.947 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 10.552 | 75   | 139840   | 25.337 | ug/L   | 94       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 77553    | 22.949 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.810 | 164  | 91126    | 25.158 | ug/L   | 92       |
| 48) 2-Hexanone                | 10.916 | 43   | 73719    | 43.649 | ug/L   | 96       |
| 49) Dibromochloromethane      | 11.069 | 129  | 92635    | 23.275 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 11.175 | 107  | 70738    | 22.942 | ug/L   | 96       |
| 51) Chlorobenzene             | 11.604 | 112  | 296022   | 26.030 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.681 | 91   | 515016   | 27.512 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.793 | 106  | 195649   | 27.873 | ug/L   | 93       |
| 54) o-Xylene                  | 12.122 | 106  | 187839   | 28.077 | ug/L   | 97       |
| 55) Styrene                   | 12.134 | 104  | 334389   | 27.783 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 83150    | 21.184 | ug/L # | 98       |
| 59) Bromoform                 | 12.298 | 173  | 53493    | 22.437 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.422 | 105  | 502903   | 28.481 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.722 | 75   | 56509    | 22.444 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 391865   | 28.257 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 389420   | 28.202 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 228036   | 26.309 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.534 | 146  | 236371   | 26.033 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 13.828 | 146  | 201181   | 25.122 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75   | 11621    | 21.181 | ug/L   | 96       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 151297   | 25.842 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 118668   | 24.055 | ug/L   | 100      |
| 71) Naphthalene               | 15.334 | 128  | 182591   | 21.664 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 107904   | 24.776 | ug/L   | 99       |

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

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