

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052024\  
 Data File : VD078971.D  
 Acq On : 20 May 2024 16:44  
 Operator : RP/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025249

Quant Time: May 21 01:04:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM051724SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue May 21 01:03:15 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 133647   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 141858   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 80893    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.276  | 65    | 64601    | 19.718   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 78.880%  |
| 7) Chloroethane-d5            | 2.805  | 69    | 77726    | 22.163   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 88.640%  |
| 11) 1,1-Dichloroethene-d2     | 3.917  | 65    | 13336    | 20.867   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 83.480%  |
| 21) 2-Butanone-d5             | 6.981  | 46    | 22379    | 48.258   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 96.520%  |
| 24) Chloroform-d              | 7.569  | 84    | 83715    | 21.041   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 84.160%  |
| 26) 1,2-Dichloroethane-d4     | 8.234  | 65    | 42955    | 22.734   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 90.920%  |
| 32) Benzene-d6                | 8.199  | 84    | 162067   | 22.390   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 89.560%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 49747    | 22.556   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 90.240%  |
| 41) Toluene-d8                | 10.269 | 98    | 145683   | 21.835   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 87.360%  |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79    | 21725    | 21.384   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 85.520%  |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 21012    | 47.537   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 95.080%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 60406    | 24.077   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 96.320%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.810 | 152   | 60151    | 21.908   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 87.640%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 65308    | 24.423   | ug/L   | 98       |
| 3) Chloromethane              | 2.152  | 50    | 84585    | 25.780   | ug/L   | 93       |
| 5) Vinyl chloride             | 2.287  | 62    | 126038   | 23.478   | ug/L   | 96       |
| 6) Bromomethane               | 2.693  | 94    | 88158    | 22.963   | ug/L   | 97       |
| 8) Chloroethane               | 2.840  | 64    | 108005   | 26.050   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 3.175  | 101   | 110805   | 26.465   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.964  | 101   | 73052    | 27.525   | ug/L   | 94       |
| 12) 1,1-Dichloroethene        | 3.940  | 96    | 56976    | 24.656   | ug/L   | 85       |
| 13) Acetone                   | 4.017  | 43    | 29788    | 53.176   | ug/L   | 98       |
| 14) Carbon disulfide          | 4.275  | 76    | 155780   | 23.263   | ug/L   | 96       |
| 15) Methyl Acetate            | 4.558  | 43    | 26889    | 29.543   | ug/L   | 98       |
| 16) Methylene chloride        | 4.799  | 84    | 79363    | 25.069   | ug/L   | 93       |
| 17) trans-1,2-Dichloroethene  | 5.311  | 96    | 65746    | 27.942   | ug/L   | 87       |
| 18) Methyl tert-butyl Ether   | 5.311  | 73    | 154177   | 30.755   | ug/L # | 92       |
| 19) 1,1-Dichloroethane        | 6.111  | 63    | 117184   | 29.651   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.075  | 96    | 76545    | 28.521   | ug/L   | 96       |
| 22) 2-Butanone                | 7.087  | 43    | 36611    | 56.845   | ug/L   | 92       |
| 23) Bromochloromethane        | 7.422  | 128   | 39749    | 29.641   | ug/L # | 92       |
| 25) Chloroform                | 7.593  | 83    | 144307   | 30.379   | ug/L   | 86       |

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 Quant Title : SFAM01.0  
 QLast Update : Tue May 21 01:03:15 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.322  | 62   | 80994    | 29.438 | ug/L  | 99       |
| 29) Cyclohexane               | 7.881  | 56   | 74258    | 27.237 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 111668   | 28.452 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 7.987  | 117  | 102600   | 28.391 | ug/L  | 96       |
| 33) Benzene                   | 8.252  | 78   | 283120   | 29.116 | ug/L  | 100      |
| 34) Trichloroethene           | 9.022  | 95   | 70530    | 28.154 | ug/L  | 97       |
| 35) Methylcyclohexane         | 9.275  | 83   | 100851   | 26.778 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.305  | 63   | 73998    | 30.028 | ug/L  | 98       |
| 38) Bromodichloromethane      | 9.581  | 83   | 105036   | 30.142 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 113374   | 29.328 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 81065    | 65.126 | ug/L  | 96       |
| 42) Toluene                   | 10.334 | 91   | 319790   | 29.913 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.552 | 75   | 104762   | 30.654 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.728 | 97   | 70254    | 31.177 | ug/L  | 95       |
| 46) Tetrachloroethene         | 10.804 | 164  | 57847    | 26.838 | ug/L  | 96       |
| 48) 2-Hexanone                | 10.922 | 43   | 61334    | 63.563 | ug/L  | 97       |
| 49) Dibromochloromethane      | 11.069 | 129  | 79956    | 29.186 | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 11.175 | 107  | 63589    | 29.874 | ug/L  | 96       |
| 51) Chlorobenzene             | 11.604 | 112  | 212818   | 28.177 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.681 | 91   | 340618   | 29.521 | ug/L  | 97       |
| 53) m,p-Xylene                | 11.793 | 106  | 134912   | 29.228 | ug/L  | 97       |
| 54) o-Xylene                  | 12.122 | 106  | 131469   | 29.243 | ug/L  | 98       |
| 55) Styrene                   | 12.134 | 104  | 248666   | 31.300 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 86261    | 31.562 | ug/L  | 95       |
| 59) Bromoform                 | 12.299 | 173  | 52285    | 28.558 | ug/L  | 100      |
| 60) Isopropylbenzene          | 12.422 | 105  | 340624   | 28.482 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.722 | 75   | 55155    | 29.745 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 259879   | 29.398 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 264636   | 29.461 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 163909   | 28.220 | ug/L  | 93       |
| 65) 1,4-Dichlorobenzene       | 13.534 | 146  | 175884   | 28.088 | ug/L  | 96       |
| 67) 1,2-Dichlorobenzene       | 13.828 | 146  | 156264   | 28.426 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75   | 11855    | 30.692 | ug/L  | 91       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 104666   | 27.746 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 87878    | 27.518 | ug/L  | 98       |
| 71) Naphthalene               | 15.328 | 128  | 189165   | 29.033 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 85435    | 28.622 | ug/L  | 97       |

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

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