

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121924\  
 Data File : VW031412.D  
 Acq On : 20 Dec 2024 03:19  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025599

Quant Time: Dec 20 04:13:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121324SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 20 03:08:41 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 544743   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 489325   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 238174   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 165207   | 20.156   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 80.640%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 135609   | 22.367   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 89.480%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 72037    | 18.529   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 74.120%  |
| 21) 2-Butanone-d5             | 7.100  | 46    | 79906    | 51.767   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 103.540% |
| 24) Chloroform-d              | 7.648  | 84    | 339793   | 22.766   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 91.080%  |
| 26) 1,2-Dichloroethane-d4     | 8.301  | 65    | 184246   | 24.580   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 98.320%  |
| 32) Benzene-d6                | 8.270  | 84    | 648881   | 20.689   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 82.760%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 197085   | 21.561   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 86.240%  |
| 41) Toluene-d8                | 10.319 | 98    | 594519   | 20.376   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 81.520%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 79377    | 18.833   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 75.320%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 62238    | 50.631   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 101.260% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 152918   | 26.645   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 106.560% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 196193   | 22.189   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 88.760%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.009  | 85    | 101401   | 20.597   | ug/L   | 98       |
| 3) Chloromethane              | 2.216  | 50    | 122438   | 22.137   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.369  | 62    | 179659   | 23.440   | ug/L   | 95       |
| 6) Bromomethane               | 2.789  | 94    | 118986   | 25.250   | ug/L   | 97       |
| 8) Chloroethane               | 2.930  | 64    | 119294   | 26.171   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 163443   | 20.017   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 153657   | 23.304   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 4.039  | 96    | 150947   | 22.603   | ug/L   | 95       |
| 13) Acetone                   | 4.161  | 43    | 64734    | 30.114   | ug/L   | # 100    |
| 14) Carbon disulfide          | 4.381  | 76    | 408112   | 18.738   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.685  | 43    | 63095    | 25.842   | ug/L   | 98       |
| 16) Methylene chloride        | 4.917  | 84    | 167561   | 24.447   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 169590   | 23.559   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 309490   | 25.718   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 323322   | 24.036   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 191657   | 24.608   | ug/L   | 99       |
| 22) 2-Butanone                | 7.191  | 43    | 91232    | 35.026   | ug/L   | 96       |
| 23) Bromochloromethane        | 7.514  | 128   | 82575    | 26.584   | ug/L   | 92       |
| 25) Chloroform                | 7.679  | 83    | 337668   | 25.435   | ug/L   | 99       |

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 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025599

Quant Time: Dec 20 04:13:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121324SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 20 03:08:41 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 223634   | 26.794 | ug/L  | 100      |
| 29) Cyclohexane               | 7.953  | 56   | 256305   | 19.314 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 267495   | 21.150 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 229932   | 20.406 | ug/L  | 99       |
| 33) Benzene                   | 8.325  | 78   | 711996   | 23.546 | ug/L  | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 196856   | 23.059 | ug/L  | 94       |
| 35) Methylcyclohexane         | 9.331  | 83   | 303634   | 20.423 | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 183018   | 24.261 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 235261   | 23.989 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 286433   | 22.470 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 203238   | 50.781 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 786397   | 23.886 | ug/L  | 95       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 235720   | 22.647 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 136672   | 27.238 | ug/L  | 96       |
| 46) Tetrachloroethene         | 10.861 | 164  | 145106   | 23.204 | ug/L  | 97       |
| 48) 2-Hexanone                | 10.965 | 43   | 136955   | 40.235 | ug/L  | 100      |
| 49) Dibromochloromethane      | 11.123 | 129  | 144129   | 24.233 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 126269   | 26.565 | ug/L  | 94       |
| 51) Chlorobenzene             | 11.654 | 112  | 508201   | 24.620 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 895019   | 23.456 | ug/L  | 97       |
| 53) m,p-Xylene                | 11.837 | 106  | 339943   | 23.403 | ug/L  | 98       |
| 54) o-Xylene                  | 12.160 | 106  | 330946   | 24.175 | ug/L  | 97       |
| 55) Styrene                   | 12.172 | 104  | 563954   | 24.766 | ug/L  | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 155384   | 28.727 | ug/L  | 99       |
| 59) Bromoform                 | 12.349 | 173  | 76783    | 22.948 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 898513   | 23.053 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 113295   | 27.799 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.934 | 105  | 775800   | 23.477 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 755295   | 23.649 | ug/L  | 95       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 389671   | 24.676 | ug/L  | 92       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 381272   | 24.368 | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 345143   | 25.366 | ug/L  | 92       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 24920    | 24.095 | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 259490   | 23.463 | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 219591   | 23.869 | ug/L  | 100      |
| 71) Naphthalene               | 15.360 | 128  | 452292   | 28.041 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 204970   | 27.652 | ug/L  | 99       |

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

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ClientSampleId :  
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