

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW101824\  
 Data File : VW030653.D  
 Acq On : 18 Oct 2024 09:37  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025527

Quant Time: Oct 19 00:19:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Oct 18 01:38:16 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 258232   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 234382   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 119632   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 82485    | 20.321   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 81.280%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 75961    | 24.723   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 98.880%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 35222    | 20.863   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 83.440%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 36555    | 50.043   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 100.080% |
| 24) Chloroform-d              | 7.648  | 84    | 190006   | 25.729   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 102.920% |
| 26) 1,2-Dichloroethane-d4     | 8.301  | 65    | 95106    | 24.766   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 99.080%  |
| 32) Benzene-d6                | 8.276  | 84    | 339388   | 24.949   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 99.800%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 104319   | 26.127   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 104.520% |
| 41) Toluene-d8                | 10.325 | 98    | 313528   | 25.247   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 101.000% |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 41576    | 24.867   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 99.480%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 28722    | 55.851   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 111.700% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 81744    | 27.877   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 111.520% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 101713   | 25.128   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 100.520% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 76944    | 23.322   | ug/L   | 100      |
| 3) Chloromethane              | 2.222  | 50    | 92788    | 24.198   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.375  | 62    | 117102   | 24.833   | ug/L   | 97       |
| 6) Bromomethane               | 2.789  | 94    | 78493    | 25.289   | ug/L   | 93       |
| 8) Chloroethane               | 2.930  | 64    | 75605    | 26.227   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 94963    | 22.506   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 92909    | 24.474   | ug/L # | 67       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 83505    | 24.102   | ug/L   | 94       |
| 13) Acetone                   | 4.124  | 43    | 44811    | 41.902   | ug/L   | 98       |
| 14) Carbon disulfide          | 4.387  | 76    | 250707   | 22.160   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.673  | 43    | 31061    | 23.513   | ug/L   | 98       |
| 16) Methylene chloride        | 4.911  | 84    | 90604    | 23.208   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 92745    | 24.808   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 125672   | 24.019   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.209  | 63    | 180456   | 25.971   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 100255   | 25.142   | ug/L   | 93       |
| 22) 2-Butanone                | 7.167  | 43    | 48605    | 42.164   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.508  | 128   | 42259    | 24.225   | ug/L   | 85       |
| 25) Chloroform                | 7.673  | 83    | 196473   | 26.460   | ug/L   | 100      |

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 Quant Title : SFAM01.0  
 QLast Update : Fri Oct 18 01:38:16 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 121214   | 24.745 | ug/L  | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 143816   | 25.207 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 155840   | 25.047 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 144249   | 25.958 | ug/L  | 98       |
| 33) Benzene                   | 8.325  | 78   | 403084   | 26.427 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 107250   | 25.275 | ug/L  | 96       |
| 35) Methylcyclohexane         | 9.331  | 83   | 167220   | 25.040 | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 101869   | 26.742 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 134480   | 26.534 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 145959   | 25.402 | ug/L  | 96       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 90158    | 49.265 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 437099   | 26.862 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 125507   | 25.993 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 69220    | 25.142 | ug/L  | 95       |
| 46) Tetrachloroethene         | 10.861 | 164  | 79839    | 25.510 | ug/L  | 98       |
| 48) 2-Hexanone                | 10.965 | 43   | 72452    | 48.411 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.129 | 129  | 77356    | 25.181 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 63168    | 24.589 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 269258   | 25.705 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 508981   | 27.412 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.836 | 106  | 189794   | 27.284 | ug/L  | 99       |
| 54) o-Xylene                  | 12.166 | 106  | 172691   | 26.853 | ug/L  | 89       |
| 55) Styrene                   | 12.178 | 104  | 304095   | 27.660 | ug/L  | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 79790    | 25.700 | ug/L  | 96       |
| 59) Bromoform                 | 12.342 | 173  | 38208    | 22.732 | ug/L  | 94       |
| 60) Isopropylbenzene          | 12.458 | 105  | 507998   | 27.420 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 55752    | 23.949 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 387377   | 26.503 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 383181   | 26.776 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 211397   | 26.214 | ug/L  | 88       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 209099   | 25.112 | ug/L  | 95       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 185771   | 26.179 | ug/L  | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 11334    | 21.835 | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 133613   | 25.126 | ug/L  | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 104948   | 24.515 | ug/L  | 99       |
| 71) Naphthalene               | 15.360 | 128  | 176069   | 23.806 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 93421    | 25.172 | ug/L  | 98       |

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

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