

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW033123\  
 Data File : VW025519.D  
 Acq On : 31 Mar 2023 09:04  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025562

Quant Time: Apr 01 00:30:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM030623SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 31 02:21:49 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 715664   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 639000   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 313461   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 229534   | 19.290   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 77.160%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 191930   | 22.416   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 89.680%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 63    | 537441   | 23.384   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 93.520%  |
| 21) 2-Butanone-d5             | 7.081  | 46    | 135526   | 46.400   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 92.800%  |
| 24) Chloroform-d              | 7.648  | 84    | 542995   | 26.319   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 105.280% |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 274314   | 24.772   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 99.080%  |
| 32) Benzene-d6                | 8.276  | 84    | 1068934  | 24.482   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 97.920%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 341932   | 25.314   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 101.240% |
| 41) Toluene-d8                | 10.319 | 98    | 929706   | 24.151   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 96.600%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 125781   | 23.385   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 93.560%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 89405    | 46.030   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 92.060%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 234198   | 23.666   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 94.680%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 294661   | 25.278   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 101.120% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.021  | 85    | 199722   | 24.420   | ug/L   | 97       |
| 3) Chloromethane              | 2.223  | 50    | 253562   | 26.067   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.375  | 62    | 296861   | 27.013   | ug/L   | 98       |
| 6) Bromomethane               | 2.789  | 94    | 153294   | 26.164   | ug/L   | 98       |
| 8) Chloroethane               | 2.936  | 64    | 174875   | 27.687   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 230022   | 24.183   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082  | 101   | 248666   | 26.958   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 243250   | 27.256   | ug/L   | 94       |
| 13) Acetone                   | 4.131  | 43    | 123545   | 44.001   | ug/L   | 96       |
| 14) Carbon disulfide          | 4.393  | 76    | 744236   | 26.821   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.673  | 43    | 110679   | 21.012   | ug/L   | 96       |
| 16) Methylene chloride        | 4.917  | 84    | 272077   | 27.302   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96    | 252626   | 27.003   | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 361802   | 25.688   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 540460   | 27.897   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 281321   | 27.465   | ug/L   | 99       |
| 22) 2-Butanone                | 7.173  | 43    | 154492   | 42.534   | ug/L   | 100      |
| 23) Bromochloromethane        | 7.514  | 128   | 114870   | 26.078   | ug/L   | 94       |
| 25) Chloroform                | 7.679  | 83    | 505266   | 27.743   | ug/L   | 98       |

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 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 31 02:21:49 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 321133   | 26.422 | ug/L   | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 512051   | 28.389 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 409343   | 26.948 | ug/L   | 100      |
| 31) Carbon tetrachloride      | 8.069  | 117  | 360193   | 26.453 | ug/L   | 98       |
| 33) Benzene                   | 8.325  | 78   | 1134274  | 27.764 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 285847   | 26.658 | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.337  | 83   | 509613   | 27.589 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 301346   | 26.797 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.648  | 83   | 341961   | 26.074 | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 431970   | 26.664 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 309381   | 45.773 | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 1178787  | 27.945 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 352513   | 25.983 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 183702   | 24.325 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 196942   | 25.813 | ug/L   | 92       |
| 48) 2-Hexanone                | 10.965 | 43   | 229567   | 47.209 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.123 | 129  | 201500   | 24.971 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 162423   | 23.235 | ug/L   | 89       |
| 51) Chlorobenzene             | 11.654 | 112  | 707205   | 26.417 | ug/L   | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 1341169  | 27.878 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.837 | 106  | 486344   | 27.409 | ug/L   | 98       |
| 54) o-Xylene                  | 12.160 | 106  | 459211   | 27.503 | ug/L   | 96       |
| 55) Styrene                   | 12.178 | 104  | 801728   | 28.118 | ug/L   | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 216562   | 23.053 | ug/L   | 98       |
| 59) Bromoform                 | 12.349 | 173  | 103230   | 22.826 | ug/L # | 97       |
| 60) Isopropylbenzene          | 12.458 | 105  | 1311250  | 28.061 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 155635   | 22.789 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 1063669  | 28.741 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 1057113  | 28.995 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 531469   | 26.841 | ug/L   | 100      |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 533837   | 26.284 | ug/L   | 91       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 469850   | 26.457 | ug/L   | 92       |
| 68) 1,2-Dibromo-3-chloropr... | 14.483 | 75   | 31971    | 20.221 | ug/L   | 96       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 362107   | 26.903 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 287130   | 25.729 | ug/L   | 98       |
| 71) Naphthalene               | 15.360 | 128  | 527821   | 23.960 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 245630   | 24.505 | ug/L   | 97       |

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

