

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW031623\  
 Data File : VW025405.D  
 Acq On : 16 Mar 2023 19:42  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025549

Quant Time: Mar 17 01:39:05 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM030623SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 17 01:35:38 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 680433   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 603303   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 306892   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 219711   | 19.420   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 77.680%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 178865   | 21.972   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 87.880%  |
| 11) 1,1-Dichloroethene-d2     | 4.033  | 63    | 471897   | 21.596   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 86.400%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 147937   | 53.272   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 106.540% |
| 24) Chloroform-d              | 7.648  | 84    | 489791   | 24.969   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 99.880%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 263363   | 25.014   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 100.040% |
| 32) Benzene-d6                | 8.270  | 84    | 994569   | 24.126   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 96.520%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 315197   | 24.716   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 98.880%  |
| 41) Toluene-d8                | 10.319 | 98    | 880935   | 24.238   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 96.960%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 122603   | 24.143   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 96.560%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 100521   | 54.815   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 109.640% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 238140   | 25.488   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 101.960% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 270806   | 23.729   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 94.920%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.021  | 85    | 165442   | 21.276   | ug/L   | 100      |
| 3) Chloromethane              | 2.222  | 50    | 229787   | 24.846   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.375  | 62    | 242228   | 23.183   | ug/L   | 98       |
| 6) Bromomethane               | 2.789  | 94    | 136422   | 24.490   | ug/L   | 97       |
| 8) Chloroethane               | 2.936  | 64    | 147139   | 24.502   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 170946   | 18.902   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 203954   | 23.255   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 4.051  | 96    | 199126   | 23.468   | ug/L   | 86       |
| 13) Acetone                   | 4.118  | 43    | 98635    | 36.948   | ug/L   | 97       |
| 14) Carbon disulfide          | 4.393  | 76    | 642082   | 24.338   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.667  | 43    | 126363   | 25.232   | ug/L   | 98       |
| 16) Methylene chloride        | 4.917  | 84    | 228916   | 24.161   | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 221756   | 24.931   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 334842   | 25.005   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 459445   | 24.943   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 243771   | 25.031   | ug/L # | 97       |
| 22) 2-Butanone                | 7.167  | 43    | 158850   | 45.999   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.514  | 128   | 102824   | 24.552   | ug/L   | 88       |
| 25) Chloroform                | 7.679  | 83    | 431987   | 24.948   | ug/L   | 96       |

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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :  
 VSTD025549

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 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 17 01:35:38 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 299530   | 25.921 | ug/L   | 98       |
| 29) Cyclohexane               | 7.959  | 56   | 420595   | 24.698 | ug/L   | 100      |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 333435   | 23.249 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 297252   | 23.122 | ug/L   | 98       |
| 33) Benzene                   | 8.325  | 78   | 977542   | 25.343 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 241945   | 23.899 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.337  | 83   | 430019   | 24.658 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 266365   | 25.087 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 302919   | 24.464 | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 380801   | 24.896 | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 340795   | 53.405 | ug/L   | 100      |
| 42) Toluene                   | 10.386 | 91   | 1007557  | 25.299 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 318018   | 24.827 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 178077   | 24.975 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 168273   | 23.360 | ug/L   | 89       |
| 48) 2-Hexanone                | 10.965 | 43   | 235664   | 51.330 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.123 | 129  | 189070   | 24.817 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 163674   | 24.799 | ug/L # | 99       |
| 51) Chlorobenzene             | 11.654 | 112  | 621132   | 24.574 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 1121796  | 24.698 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.830 | 106  | 424348   | 25.330 | ug/L   | 97       |
| 54) o-Xylene                  | 12.160 | 106  | 403036   | 25.566 | ug/L   | 99       |
| 55) Styrene                   | 12.178 | 104  | 706099   | 26.229 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 221807   | 25.008 | ug/L   | 99       |
| 59) Bromoform                 | 12.349 | 173  | 105017   | 23.718 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 1086144  | 23.741 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 162217   | 24.261 | ug/L   | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 906567   | 25.021 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 891491   | 24.976 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 467039   | 24.092 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 458617   | 23.064 | ug/L   | 87       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 415389   | 23.891 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 36058    | 23.294 | ug/L   | 96       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 306946   | 23.293 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 243375   | 22.275 | ug/L   | 95       |
| 71) Naphthalene               | 15.360 | 128  | 517890   | 24.013 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 227615   | 23.194 | ug/L   | 97       |

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

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