

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042023\  
 Data File : VW025617.D  
 Acq On : 20 Apr 2023 19:39  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025574

Quant Time: Apr 21 01:53:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 21 01:47:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 683427   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 610637   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 298929   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.362  | 65    | 185575   | 16.686   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 66.760%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 146607   | 18.516   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 74.080%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 63    | 424912   | 18.893   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 75.560%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 150739   | 60.757   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 121.520% |
| 24) Chloroform-d              | 7.648  | 84    | 428497   | 22.330   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 89.320%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 237512   | 23.792   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 95.160%  |
| 32) Benzene-d6                | 8.276  | 84    | 857307   | 21.682   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 86.720%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 274359   | 22.254   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 89.000%  |
| 41) Toluene-d8                | 10.324 | 98    | 739886   | 21.422   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 85.680%  |
| 43) trans-1,3-Dichloroprop... | 10.581 | 79    | 103704   | 22.436   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 89.760%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 107193   | 63.611   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 127.220% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 230738   | 27.729   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 110.920% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 237005   | 23.078   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 92.320%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 187730   | 19.643   | ug/L   | 91       |
| 3) Chloromethane              | 2.222  | 50    | 253919   | 22.900   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.375  | 62    | 268608   | 21.914   | ug/L   | 96       |
| 6) Bromomethane               | 2.789  | 94    | 145719   | 22.100   | ug/L   | 99       |
| 8) Chloroethane               | 2.936  | 64    | 152875   | 22.269   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 196689   | 20.829   | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 226905   | 23.945   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 211783   | 22.328   | ug/L   | 96       |
| 13) Acetone                   | 4.124  | 43    | 106841   | 50.881   | ug/L   | 100      |
| 14) Carbon disulfide          | 4.393  | 76    | 685017   | 20.470   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.667  | 43    | 138390   | 29.335   | ug/L   | 98       |
| 16) Methylene chloride        | 4.917  | 84    | 258016   | 23.751   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 230845   | 22.892   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 378270   | 27.181   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.215  | 63    | 494961   | 24.566   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 261667   | 24.939   | ug/L # | 98       |
| 22) 2-Butanone                | 7.173  | 43    | 185041   | 61.989   | ug/L   | 95       |
| 23) Bromochloromethane        | 7.514  | 128   | 108943   | 25.319   | ug/L   | 96       |
| 25) Chloroform                | 7.673  | 83    | 466122   | 25.299   | ug/L   | 97       |

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 MSVOA\_W  
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 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 21 01:47:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 325221   | 26.304 | ug/L  | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 435170   | 22.018 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 358350   | 23.618 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 318655   | 23.256 | ug/L  | 100      |
| 33) Benzene                   | 8.325  | 78   | 1044117  | 24.566 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 253429   | 22.923 | ug/L  | 96       |
| 35) Methylcyclohexane         | 9.337  | 83   | 439247   | 22.003 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 286680   | 25.540 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 331842   | 25.838 | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 403177   | 25.040 | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 399706   | 62.910 | ug/L  | 99       |
| 42) Toluene                   | 10.385 | 91   | 1066998  | 24.654 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 339515   | 25.571 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 194794   | 27.216 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 174430   | 22.433 | ug/L  | 98       |
| 48) 2-Hexanone                | 10.965 | 43   | 272640   | 62.106 | ug/L  | 96       |
| 49) Dibromochloromethane      | 11.129 | 129  | 203594   | 27.017 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 178568   | 27.153 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.653 | 112  | 661432   | 24.801 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 1201459  | 24.531 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.836 | 106  | 445846   | 24.823 | ug/L  | 96       |
| 54) o-Xylene                  | 12.166 | 106  | 426784   | 25.400 | ug/L  | 93       |
| 55) Styrene                   | 12.178 | 104  | 749675   | 26.508 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 246331   | 28.733 | ug/L  | 99       |
| 59) Bromoform                 | 12.348 | 173  | 115537   | 28.206 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.458 | 105  | 1164700  | 24.873 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 178258   | 28.772 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 938270   | 25.383 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 907988   | 25.510 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 474671   | 24.461 | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 489961   | 24.724 | ug/L  | 90       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 427948   | 25.156 | ug/L  | 87       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 38541    | 28.358 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.622 | 180  | 310687   | 23.914 | ug/L  | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.128 | 180  | 258767   | 24.519 | ug/L  | 96       |
| 71) Naphthalene               | 15.360 | 128  | 579519   | 29.428 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 235837   | 25.558 | ug/L  | 94       |

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

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