

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042623\  
 Data File : VW025693.D  
 Acq On : 26 Apr 2023 09:47  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025581

Quant Time: Apr 27 01:24:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Apr 26 01:13:04 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 671740   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 610847   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 297396   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 209325   | 19.150   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 76.600%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 170297   | 21.882   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 87.520%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 63    | 478439   | 21.643   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 86.560%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 130122   | 53.360   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 106.720% |
| 24) Chloroform-d              | 7.648  | 84    | 470093   | 24.924   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 99.680%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 241680   | 24.631   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 98.520%  |
| 32) Benzene-d6                | 8.276  | 84    | 918421   | 23.220   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 92.880%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 295439   | 23.956   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 95.840%  |
| 41) Toluene-d8                | 10.319 | 98    | 814841   | 23.584   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 94.320%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 109169   | 23.610   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 94.440%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 91717    | 54.408   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 108.820% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 216922   | 26.060   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 104.240% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 259523   | 25.401   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 101.600% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 227362   | 24.204   | ug/L # | 88       |
| 3) Chloromethane              | 2.222  | 50    | 275855   | 25.312   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.375  | 62    | 298105   | 24.744   | ug/L   | 95       |
| 6) Bromomethane               | 2.789  | 94    | 160460   | 24.759   | ug/L   | 99       |
| 8) Chloroethane               | 2.936  | 64    | 173722   | 25.746   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 219008   | 23.596   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 233533   | 25.073   | ug/L   | 94       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 231345   | 24.815   | ug/L   | 92       |
| 13) Acetone                   | 4.125  | 43    | 110341   | 53.463   | ug/L   | 97       |
| 14) Carbon disulfide          | 4.393  | 76    | 711417   | 21.629   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.667  | 43    | 111995   | 24.153   | ug/L   | 99       |
| 16) Methylene chloride        | 4.917  | 84    | 271897   | 25.465   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 243278   | 24.544   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 361637   | 26.438   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 526193   | 26.571   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 269460   | 26.129   | ug/L # | 99       |
| 22) 2-Butanone                | 7.167  | 43    | 156224   | 53.246   | ug/L   | 100      |
| 23) Bromochloromethane        | 7.514  | 128   | 110946   | 26.233   | ug/L   | 94       |
| 25) Chloroform                | 7.673  | 83    | 485849   | 26.828   | ug/L   | 99       |

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 ClientSampleId :  
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Quant Time: Apr 27 01:24:44 2023  
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 Quant Title : SFAM01.0  
 QLast Update : Wed Apr 26 01:13:04 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 319400   | 26.283 | ug/L   | 98       |
| 29) Cyclohexane               | 7.959  | 56   | 478498   | 24.202 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 395399   | 26.051 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 345313   | 25.193 | ug/L   | 99       |
| 33) Benzene                   | 8.325  | 78   | 1073337  | 25.245 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 271347   | 24.536 | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.337  | 83   | 481258   | 24.099 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 296621   | 26.416 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 341095   | 26.549 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 430750   | 26.743 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 320721   | 50.461 | ug/L   | 100      |
| 42) Toluene                   | 10.386 | 91   | 1124698  | 25.978 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 344409   | 25.931 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 184987   | 25.837 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.861 | 164  | 194881   | 25.055 | ug/L   | 89       |
| 48) 2-Hexanone                | 10.965 | 43   | 233448   | 53.160 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.123 | 129  | 191760   | 25.438 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 162064   | 24.635 | ug/L # | 97       |
| 51) Chlorobenzene             | 11.654 | 112  | 693145   | 25.981 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 1280171  | 26.130 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.837 | 106  | 469961   | 26.157 | ug/L   | 100      |
| 54) o-Xylene                  | 12.166 | 106  | 450793   | 26.820 | ug/L   | 91       |
| 55) Styrene                   | 12.178 | 104  | 767245   | 27.120 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 216789   | 25.278 | ug/L   | 99       |
| 59) Bromoform                 | 12.349 | 173  | 104546   | 25.654 | ug/L   | 95       |
| 60) Isopropylbenzene          | 12.458 | 105  | 1273995  | 27.347 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 153205   | 24.856 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 1018083  | 27.684 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 986913   | 27.870 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 513575   | 26.603 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 514811   | 26.111 | ug/L   | 90       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 443286   | 26.192 | ug/L   | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 33493    | 24.771 | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 351941   | 27.229 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 289035   | 27.528 | ug/L   | 97       |
| 71) Naphthalene               | 15.360 | 128  | 539237   | 27.523 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 247819   | 26.995 | ug/L   | 94       |

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

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