

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW090823\  
 Data File : VW027029.D  
 Acq On : 08 Sep 2023 16:42  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025494

Quant Time: Sep 09 03:02:46 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM090523SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Sep 09 02:59:49 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 393989   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 409220   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 239068   | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 155413   | 22.079   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 88.320%   |
| 7) Chloroethane-d5            | 2.893  | 69    | 144197   | 25.383   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 101.520%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 56223    | 21.673   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 86.680%   |
| 21) 2-Butanone-d5             | 7.075  | 46    | 81305    | 59.948   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 119.900%  |
| 24) Chloroform-d              | 7.648  | 84    | 316411   | 26.989   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 107.960%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 171320   | 27.802   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 111.200%  |
| 32) Benzene-d6                | 8.276  | 84    | 630601   | 23.493   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 93.960%   |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 197962   | 25.122   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 100.480%  |
| 41) Toluene-d8                | 10.318 | 98    | 556482   | 22.899   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 91.600%   |
| 43) trans-1,3-Dichloroprop... | 10.581 | 79    | 72542    | 23.722   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 94.880%   |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 45140    | 61.359   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 122.720%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 185577   | 30.347   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 121.400%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.854 | 152   | 184367   | 22.298   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 89.200%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 108281   | 23.891   | ug/L   | 94        |
| 3) Chloromethane              | 2.228  | 50    | 197671   | 28.915   | ug/L   | 98        |
| 5) Vinyl chloride             | 2.381  | 62    | 206105   | 26.430   | ug/L   | 95        |
| 6) Bromomethane               | 2.783  | 94    | 144145   | 28.008   | ug/L   | 94        |
| 8) Chloroethane               | 2.930  | 64    | 136670   | 27.931   | ug/L   | 99        |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 111305   | 24.602   | ug/L   | 97        |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.064  | 101   | 157237   | 27.985   | ug/L # | 86        |
| 12) 1,1-Dichloroethene        | 4.051  | 96    | 136749   | 24.565   | ug/L   | 95        |
| 13) Acetone                   | 4.124  | 43    | 63651    | 53.599   | ug/L   | 99        |
| 14) Carbon disulfide          | 4.393  | 76    | 472613   | 26.471   | ug/L   | 97        |
| 15) Methyl Acetate            | 4.667  | 43    | 89876    | 36.400   | ug/L # | 90        |
| 16) Methylene chloride        | 4.929  | 84    | 177621   | 23.270   | ug/L   | 93        |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 159879   | 26.241   | ug/L   | 93        |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 250532   | 29.530   | ug/L   | 97        |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 338233   | 29.450   | ug/L   | 98        |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 182686   | 27.247   | ug/L   | 93        |
| 22) 2-Butanone                | 7.173  | 43    | 118284   | 61.903   | ug/L   | 96        |
| 23) Bromochloromethane        | 7.514  | 128   | 86856    | 29.850   | ug/L   | 93        |
| 25) Chloroform                | 7.679  | 83    | 337393   | 29.952   | ug/L   | 95        |

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 Quant Title : SFAM01.0  
 QLast Update : Sat Sep 09 02:59:49 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 235901   | 33.134 | ug/L  | 98       |
| 29) Cyclohexane               | 7.959  | 56   | 260569   | 24.422 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 242351   | 26.145 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 216479   | 26.203 | ug/L  | 99       |
| 33) Benzene                   | 8.325  | 78   | 743209   | 26.557 | ug/L  | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 183475   | 25.515 | ug/L  | 96       |
| 35) Methylcyclohexane         | 9.337  | 83   | 296753   | 24.289 | ug/L  | 95       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 204891   | 28.689 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 236680   | 28.140 | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 275585   | 25.993 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 257480   | 69.833 | ug/L  | 97       |
| 42) Toluene                   | 10.386 | 91   | 789906   | 27.427 | ug/L  | 93       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 242840   | 28.206 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 150501   | 29.253 | ug/L  | 99       |
| 46) Tetrachloroethene         | 10.861 | 164  | 132553   | 24.149 | ug/L  | 87       |
| 48) 2-Hexanone                | 10.965 | 43   | 179094   | 71.272 | ug/L  | 96       |
| 49) Dibromochloromethane      | 11.129 | 129  | 157678   | 29.753 | ug/L  | 91       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 135585   | 29.110 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.654 | 112  | 481401   | 25.950 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 857422   | 26.854 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.836 | 106  | 316136   | 26.175 | ug/L  | 92       |
| 54) o-Xylene                  | 12.166 | 106  | 308501   | 27.299 | ug/L  | 97       |
| 55) Styrene                   | 12.178 | 104  | 572987   | 29.708 | ug/L  | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 196539   | 32.292 | ug/L  | 95       |
| 59) Bromoform                 | 12.343 | 173  | 95787    | 28.174 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.464 | 105  | 839763   | 25.642 | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 145233   | 31.756 | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 652912   | 24.984 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 678878   | 26.571 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 359242   | 24.113 | ug/L  | 93       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 397743   | 26.266 | ug/L  | 83       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 354301   | 26.394 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 32590    | 31.424 | ug/L  | 89       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 242975   | 23.477 | ug/L  | 94       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 211507   | 25.100 | ug/L  | 94       |
| 71) Naphthalene               | 15.360 | 128  | 446344   | 29.935 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 195003   | 25.528 | ug/L  | 97       |

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

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