

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121823\  
 Data File : VW027764.D  
 Acq On : 19 Dec 2023 05:40  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025573

Quant Time: Dec 19 06:45:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121523SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sun Dec 17 01:25:09 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 370554   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 331550   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 171035   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 104633   | 19.938   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 79.760%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 82859    | 20.279   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 81.120%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 44166    | 21.014   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 84.040%  |
| 21) 2-Butanone-d5             | 7.100  | 46    | 36349    | 40.676   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 81.360%  |
| 24) Chloroform-d              | 7.648  | 84    | 211327   | 23.967   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 95.880%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 94945    | 22.933   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 91.720%  |
| 32) Benzene-d6                | 8.276  | 84    | 453905   | 23.425   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 93.720%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 126809   | 23.100   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 92.400%  |
| 41) Toluene-d8                | 10.318 | 98    | 427370   | 23.772   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 95.080%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 46645    | 21.946   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 87.800%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 32860    | 41.075   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 82.160%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 89713    | 21.610   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 86.440%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.854 | 152   | 140315   | 22.919   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 91.680%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.021  | 85    | 94834    | 21.988   | ug/L   | 99       |
| 3) Chloromethane              | 2.216  | 50    | 120393   | 23.700   | ug/L   | 96       |
| 5) Vinyl chloride             | 2.369  | 62    | 142255   | 23.538   | ug/L   | 99       |
| 6) Bromomethane               | 2.789  | 94    | 96982    | 25.211   | ug/L   | 99       |
| 8) Chloroethane               | 2.936  | 64    | 77888    | 21.555   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 132329   | 24.243   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 112295   | 24.218   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 112870   | 24.867   | ug/L   | 89       |
| 13) Acetone                   | 4.185  | 43    | 29495    | 36.359   | ug/L   | 100      |
| 14) Carbon disulfide          | 4.387  | 76    | 363448   | 23.835   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.691  | 43    | 31145    | 21.251   | ug/L   | 97       |
| 16) Methylene chloride        | 4.917  | 84    | 124052   | 21.351   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96    | 122083   | 25.436   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 159155   | 25.080   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 207378   | 25.408   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 132856   | 26.295   | ug/L   | 96       |
| 22) 2-Butanone                | 7.197  | 43    | 40774    | 37.850   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.514  | 128   | 56773    | 26.610   | ug/L   | 96       |
| 25) Chloroform                | 7.679  | 83    | 211054   | 26.257   | ug/L   | 96       |

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 MSVOA\_W  
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Quant Time: Dec 19 06:45:07 2023  
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 Quant Title : SFAM01.0  
 QLast Update : Sun Dec 17 01:25:09 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 120217   | 25.510 | ug/L  | 99       |
| 29) Cyclohexane               | 7.953  | 56   | 177345   | 22.607 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 176719   | 25.517 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 151054   | 24.784 | ug/L  | 98       |
| 33) Benzene                   | 8.325  | 78   | 490896   | 25.541 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 132262   | 25.246 | ug/L  | 97       |
| 35) Methylcyclohexane         | 9.331  | 83   | 224234   | 23.731 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 115607   | 24.918 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 141615   | 25.113 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 172156   | 24.345 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 86371    | 42.594 | ug/L  | 100      |
| 42) Toluene                   | 10.386 | 91   | 540755   | 26.149 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 135371   | 24.309 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 83923    | 24.433 | ug/L  | 99       |
| 46) Tetrachloroethene         | 10.861 | 164  | 106091   | 25.360 | ug/L  | 82       |
| 48) 2-Hexanone                | 10.971 | 43   | 59029    | 39.110 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.129 | 129  | 90624    | 25.226 | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 78032    | 23.905 | ug/L  | 91       |
| 51) Chlorobenzene             | 11.654 | 112  | 348443   | 26.373 | ug/L  | 94       |
| 52) Ethylbenzene              | 11.727 | 91   | 598841   | 25.698 | ug/L  | 97       |
| 53) m,p-Xylene                | 11.836 | 106  | 233099   | 26.042 | ug/L  | 92       |
| 54) o-Xylene                  | 12.160 | 106  | 221363   | 26.559 | ug/L  | 99       |
| 55) Styrene                   | 12.178 | 104  | 368614   | 26.235 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 89508    | 22.860 | ug/L  | 99       |
| 59) Bromoform                 | 12.349 | 173  | 47037    | 22.467 | ug/L  | 96       |
| 60) Isopropylbenzene          | 12.458 | 105  | 600450   | 24.875 | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 62485    | 21.920 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 493199   | 25.559 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 479135   | 25.225 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 252102   | 24.169 | ug/L  | 88       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 258109   | 24.634 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 226565   | 24.978 | ug/L  | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 11530    | 20.247 | ug/L  | 91       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 171970   | 23.694 | ug/L  | 92       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 135755   | 22.776 | ug/L  | 91       |
| 71) Naphthalene               | 15.360 | 128  | 241756   | 22.889 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 125346   | 25.152 | ug/L  | 100      |

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

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