

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020524\  
 Data File : VW027963.D  
 Acq On : 05 Feb 2024 18:55  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025596

Quant Time: Feb 06 04:09:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020524SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Feb 06 04:06:06 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.837  | 114   | 344057   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.623 | 117   | 321218   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 164424   | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 81524    | 20.231   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 80.920%   |
| 7) Chloroethane-d5            | 2.899  | 69    | 73828    | 24.155   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 96.600%   |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 38561    | 22.364   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 89.440%   |
| 21) 2-Butanone-d5             | 7.075  | 46    | 46868    | 74.853   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 149.700%# |
| 24) Chloroform-d              | 7.648  | 84    | 202401   | 25.159   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 100.640%  |
| 26) 1,2-Dichloroethane-d4     | 8.301  | 65    | 105839   | 29.130   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 116.520%  |
| 32) Benzene-d6                | 8.270  | 84    | 402386   | 23.414   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 93.640%   |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 112655   | 24.176   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 96.720%   |
| 41) Toluene-d8                | 10.319 | 98    | 386824   | 23.524   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 94.080%   |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 53638    | 27.990   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 111.960%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 48194    | 76.037   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 152.080%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 108105   | 31.040   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 124.160%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 142957   | 25.580   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 102.320%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 65654    | 22.159   | ug/L   | 98        |
| 3) Chloromethane              | 2.229  | 50    | 64705    | 19.886   | ug/L   | 97        |
| 5) Vinyl chloride             | 2.375  | 62    | 84115    | 19.073   | ug/L   | 99        |
| 6) Bromomethane               | 2.790  | 94    | 70241    | 22.541   | ug/L   | 99        |
| 8) Chloroethane               | 2.936  | 64    | 58448    | 23.456   | ug/L   | 97        |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 79628    | 19.867   | ug/L   | 100       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 85934    | 21.271   | ug/L # | 82        |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 84024    | 22.357   | ug/L   | 93        |
| 13) Acetone                   | 4.131  | 43    | 39790    | 65.353   | ug/L   | 94        |
| 14) Carbon disulfide          | 4.393  | 76    | 219135   | 19.695   | ug/L   | 99        |
| 15) Methyl Acetate            | 4.679  | 43    | 34462    | 34.000   | ug/L   | 99        |
| 16) Methylene chloride        | 4.923  | 84    | 100910   | 23.465   | ug/L   | 98        |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 94960    | 23.518   | ug/L   | 99        |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 143655   | 30.011   | ug/L   | 99        |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 159011   | 24.241   | ug/L   | 98        |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 105860   | 24.827   | ug/L   | 93        |
| 22) 2-Butanone                | 7.173  | 43    | 51289    | 72.977   | ug/L   | 96        |
| 23) Bromochloromethane        | 7.508  | 128   | 51399    | 27.138   | ug/L   | 89        |
| 25) Chloroform                | 7.673  | 83    | 180715   | 25.627   | ug/L   | 96        |

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 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025596

Quant Time: Feb 06 04:09:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020524SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Feb 06 04:06:06 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 114948   | 29.271 | ug/L   | 96       |
| 29) Cyclohexane               | 7.953  | 56   | 125029   | 21.838 | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 143977   | 23.219 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.063  | 117  | 134724   | 23.485 | ug/L   | 99       |
| 33) Benzene                   | 8.319  | 78   | 371494   | 23.155 | ug/L   | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 105836   | 22.979 | ug/L   | 99       |
| 35) Methylcyclohexane         | 9.331  | 83   | 168262   | 22.201 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 91465    | 24.261 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 131429   | 26.117 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 158791   | 26.278 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 102764   | 72.218 | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 420547   | 23.379 | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 133768   | 27.891 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 83134    | 27.859 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.855 | 164  | 85986    | 22.188 | ug/L   | 95       |
| 48) 2-Hexanone                | 10.965 | 43   | 77310    | 71.730 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.123 | 129  | 93269    | 27.416 | ug/L   | 94       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 82017    | 29.446 | ug/L   | 91       |
| 51) Chlorobenzene             | 11.654 | 112  | 287409   | 24.023 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 482505   | 23.791 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 183663   | 23.091 | ug/L   | 94       |
| 54) o-Xylene                  | 12.160 | 106  | 182400   | 24.451 | ug/L   | 94       |
| 55) Styrene                   | 12.178 | 104  | 316234   | 25.451 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.709 | 83   | 99039    | 30.993 | ug/L   | 97       |
| 59) Bromoform                 | 12.343 | 173  | 58380    | 30.082 | ug/L # | 38       |
| 60) Isopropylbenzene          | 12.459 | 105  | 495570   | 24.139 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 69013    | 31.450 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 413107   | 25.145 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 411088   | 25.571 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.489 | 146  | 222494   | 23.592 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 235136   | 24.522 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 13.861 | 146  | 209262   | 25.122 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 15570    | 35.738 | ug/L   | 99       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 166176   | 24.538 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 141915   | 25.950 | ug/L   | 97       |
| 71) Naphthalene               | 15.360 | 128  | 288906   | 33.996 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 128215   | 28.101 | ug/L   | 96       |

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

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