

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW052324\  
 Data File : VW028700.D  
 Acq On : 23 May 2024 11:41  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025590

Quant Time: May 24 00:14:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM050224SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu May 23 00:20:47 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 317501   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 293963   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 147303   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 147824   | 24.518   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 98.080%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 112180   | 24.300   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 97.200%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 63377    | 25.160   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 100.640% |
| 21) 2-Butanone-d5             | 7.075  | 46    | 71423    | 45.407   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 90.820%  |
| 24) Chloroform-d              | 7.648  | 84    | 275071   | 27.726   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 110.920% |
| 26) 1,2-Dichloroethane-d4     | 8.301  | 65    | 149036   | 26.240   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 104.960% |
| 32) Benzene-d6                | 8.276  | 84    | 555850   | 28.341   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 113.360% |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 166553   | 28.221   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 112.880% |
| 41) Toluene-d8                | 10.319 | 98    | 502952   | 28.957   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 115.840% |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 65330    | 27.517   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 110.080% |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 49342    | 48.474   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 96.940%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 126444   | 25.550   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 102.200% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 155814   | 27.753   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 111.000% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 97204    | 21.067   | ug/L   | 92       |
| 3) Chloromethane              | 2.222  | 50    | 127033   | 22.224   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.375  | 62    | 145932   | 22.677   | ug/L   | 100      |
| 6) Bromomethane               | 2.789  | 94    | 88057    | 23.654   | ug/L   | 99       |
| 8) Chloroethane               | 2.930  | 64    | 87803    | 23.924   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 112372   | 21.269   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 121272   | 24.896   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 111529   | 25.524   | ug/L   | 96       |
| 13) Acetone                   | 4.118  | 43    | 51106    | 35.714   | ug/L   | 93       |
| 14) Carbon disulfide          | 4.387  | 76    | 341676   | 23.136   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.667  | 43    | 60527    | 24.312   | ug/L   | 99       |
| 16) Methylene chloride        | 4.917  | 84    | 130072   | 26.489   | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 123599   | 27.169   | ug/L   | 92       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 181531   | 27.040   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 248397   | 27.535   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 135765   | 28.516   | ug/L   | 96       |
| 22) 2-Butanone                | 7.167  | 43    | 77483    | 42.186   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.514  | 128   | 59515    | 28.657   | ug/L   | 90       |
| 25) Chloroform                | 7.679  | 83    | 249692   | 28.616   | ug/L   | 96       |

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 MSVOA\_W  
 ClientSampleId :  
 VSTD025590

Quant Time: May 24 00:14:54 2024  
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 Quant Title : SFAM01.0  
 QLast Update : Thu May 23 00:20:47 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 171307   | 27.008 | ug/L  | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 208488   | 24.875 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 192531   | 26.136 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 175153   | 26.078 | ug/L  | 98       |
| 33) Benzene                   | 8.325  | 78   | 538060   | 28.227 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 137643   | 26.932 | ug/L  | 93       |
| 35) Methylcyclohexane         | 9.337  | 83   | 230141   | 25.767 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 142513   | 28.691 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 175335   | 28.957 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 209584   | 29.439 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 170066   | 50.306 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 566260   | 28.761 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 173120   | 28.840 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 102996   | 28.624 | ug/L  | 96       |
| 46) Tetrachloroethene         | 10.861 | 164  | 102112   | 27.731 | ug/L  | 94       |
| 48) 2-Hexanone                | 10.965 | 43   | 119024   | 49.870 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.123 | 129  | 110457   | 30.605 | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 92722    | 27.509 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.654 | 112  | 358099   | 29.404 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 645607   | 28.976 | ug/L  | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 242541   | 29.697 | ug/L  | 95       |
| 54) o-Xylene                  | 12.160 | 106  | 229212   | 30.336 | ug/L  | 99       |
| 55) Styrene                   | 12.178 | 104  | 406664   | 31.764 | ug/L  | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 121437   | 26.900 | ug/L  | 98       |
| 59) Bromoform                 | 12.349 | 173  | 64025    | 29.793 | ug/L  | 95       |
| 60) Isopropylbenzene          | 12.458 | 105  | 627184   | 28.064 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 89544    | 25.153 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 472073   | 29.856 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 499833   | 29.339 | ug/L  | 97       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 272890   | 29.353 | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 271130   | 28.526 | ug/L  | 96       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 239911   | 28.832 | ug/L  | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 19145    | 23.001 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 175596   | 28.147 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 147887   | 29.339 | ug/L  | 95       |
| 71) Naphthalene               | 15.360 | 128  | 290819   | 27.079 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 134753   | 29.626 | ug/L  | 98       |

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

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