

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100824\  
 Data File : VW030469.D  
 Acq On : 09 Oct 2024 01:23  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025510

Quant Time: Oct 09 02:04:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092724SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Oct 09 01:13:46 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/09/2024  
 Supervised By : Mahesh Dadoda 10/09/2024

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 111776   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 100989   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 54314    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 11736    | 13.436   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 53.760%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 10144    | 15.962   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 63.840%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 10438    | 16.371   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 65.480%  |
| 21) 2-Butanone-d5             | 7.081  | 46    | 10918    | 31.083   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 62.160%  |
| 24) Chloroform-d              | 7.654  | 84    | 64151    | 21.363   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 85.440%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 31835    | 20.311   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 81.240%  |
| 32) Benzene-d6                | 8.270  | 84    | 118602   | 20.954   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 83.800%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 32205    | 18.918   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 75.680%  |
| 41) Toluene-d8                | 10.325 | 98    | 116146   | 22.378   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 89.520%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 14715    | 20.781   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 83.120%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 10541    | 37.497   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 75.000%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 26591    | 20.903   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 83.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 43360    | 24.045   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 96.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 20625    | 16.881   | ug/L   | 92       |
| 3) Chloromethane              | 2.216  | 50    | 11826    | 12.356   | ug/L   | 97       |
| 5) Vinyl chloride             | 2.369  | 62    | 14977    | 14.720   | ug/L   | 92       |
| 6) Bromomethane               | 2.789  | 94    | 12416    | 18.334   | ug/L   | 87       |
| 8) Chloroethane               | 2.942  | 64    | 9461     | 17.044   | ug/L   | 86       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 28364    | 21.640   | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 25763    | 19.729   | ug/L # | 83       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 26697    | 20.558   | ug/L   | 82       |
| 13) Acetone                   | 4.131  | 43    | 9707     | 26.052   | ug/L   | 97       |
| 14) Carbon disulfide          | 4.393  | 76    | 72186    | 16.716   | ug/L   | 97       |
| 15) Methyl Acetate            | 4.673  | 43    | 7961     | 13.099   | ug/L # | 85       |
| 16) Methylene chloride        | 4.929  | 84    | 27444    | 15.952   | ug/L   | 83       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 30729m   | 20.384   | ug/L   |          |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 46753    | 19.499   | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 50281    | 17.514   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 33954    | 20.386   | ug/L   | 88       |
| 22) 2-Butanone                | 7.179  | 43    | 12606    | 26.465   | ug/L   | 89       |
| 23) Bromochloromethane        | 7.514  | 128   | 16332    | 22.461   | ug/L # | 67       |
| 25) Chloroform                | 7.679  | 83    | 60258    | 20.239   | ug/L   | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 36685    | 18.579 | ug/L   | 96       |
| 29) Cyclohexane               | 7.959  | 56   | 38127    | 17.127 | ug/L   | 85       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 53608    | 22.915 | ug/L   | 96       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 50518    | 24.162 | ug/L   | 96       |
| 33) Benzene                   | 8.325  | 78   | 125008   | 20.323 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 35248    | 21.543 | ug/L   | 93       |
| 35) Methylcyclohexane         | 9.337  | 83   | 51897    | 20.669 | ug/L   | 90       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 28785    | 17.736 | ug/L # | 95       |
| 38) Bromodichloromethane      | 9.648  | 83   | 41324    | 20.281 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 48882    | 19.643 | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 25226    | 30.220 | ug/L # | 89       |
| 42) Toluene                   | 10.386 | 91   | 143874   | 21.849 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 41094    | 19.929 | ug/L   | 92       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 24124    | 21.093 | ug/L   | 94       |
| 46) Tetrachloroethene         | 10.861 | 164  | 31851    | 26.027 | ug/L   | 85       |
| 48) 2-Hexanone                | 10.965 | 43   | 18443    | 30.004 | ug/L # | 93       |
| 49) Dibromochloromethane      | 11.129 | 129  | 30721    | 23.869 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 23465    | 21.683 | ug/L # | 93       |
| 51) Chlorobenzene             | 11.654 | 112  | 95846    | 22.523 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 167657   | 22.474 | ug/L   | 96       |
| 53) m,p-Xylene                | 11.836 | 106  | 65457    | 23.505 | ug/L   | 97       |
| 54) o-Xylene                  | 12.166 | 106  | 63130    | 23.817 | ug/L   | 94       |
| 55) Styrene                   | 12.178 | 104  | 110481   | 24.434 | ug/L   | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 25611    | 19.120 | ug/L # | 98       |
| 59) Bromoform                 | 12.349 | 173  | 19005    | 24.153 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.458 | 105  | 177336   | 23.003 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 18388    | 17.809 | ug/L   | 93       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 150445   | 24.127 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 143697   | 23.324 | ug/L   | 94       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 83789    | 24.321 | ug/L   | 85       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 82016    | 23.304 | ug/L   | 88       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 74314    | 24.195 | ug/L # | 89       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 4298     | 18.167 | ug/L # | 79       |
| 69) 1,3,5-Trichlorobenzene    | 14.629 | 180  | 60756    | 25.551 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 50551    | 25.677 | ug/L   | 98       |
| 71) Naphthalene               | 15.360 | 128  | 83081    | 23.071 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 45425    | 26.360 | ug/L   | 98       |

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

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