

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW031424\  
 Data File : VW028176.D  
 Acq On : 14 Mar 2024 13:15  
 Operator : SY/MD  
 Sample : VSTD2.522  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD2.5422

Quant Time: Mar 15 01:23:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM031424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 15 01:22:29 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/15/2024  
 Supervised By :Mahesh Dadoda 03/18/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.837  | 114  | 190201   | 25.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117  | 175914   | 25.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152  | 88666    | 25.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65   | 5443     | 2.446  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.899  | 69   | 3486     | 2.266  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.015  | 65   | 3203m    | 2.305  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 7.094  | 46   | 2769     | 4.318  | ug/L   | 0.02     |
| 24) Chloroform-d              | 7.648  | 84   | 11355    | 2.025  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65   | 6470     | 2.093  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.270  | 84   | 21567    | 2.008  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67   | 6227     | 2.015  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.319 | 98   | 18698    | 1.887  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.581 | 79   | 2794     | 1.990  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.928 | 63   | 1884m    | 3.733  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.684 | 84   | 4424     | 1.938  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152  | 6724     | 2.082  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.021  | 85   | 7543m    | 2.833  | ug/L   |          |
| 3) Chloromethane              | 2.222  | 50   | 4879     | 2.493  | ug/L   | 94       |
| 5) Vinyl chloride             | 2.381  | 62   | 5316     | 2.403  | ug/L   | 96       |
| 6) Bromomethane               | 2.789  | 94   | 3248     | 2.465  | ug/L   | 92       |
| 8) Chloroethane               | 2.936  | 64   | 2920     | 2.456  | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.259  | 101  | 5728     | 2.142  | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082  | 101  | 6451     | 2.522  | ug/L # | 84       |
| 12) 1,1-Dichloroethene        | 4.051  | 96   | 5984     | 2.422  | ug/L   | 80       |
| 13) Acetone                   | 4.137  | 43   | 3475     | 4.997  | ug/L   | 67       |
| 14) Carbon disulfide          | 4.393  | 76   | 18911    | 2.469  | ug/L # | 93       |
| 15) Methyl Acetate            | 4.679  | 43   | 2827     | 2.554  | ug/L # | 88       |
| 16) Methylene chloride        | 4.929  | 84   | 8764m    | 3.022  | ug/L   |          |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96   | 6528     | 2.501  | ug/L   | 93       |
| 18) Methyl tert-butyl Ether   | 5.435  | 73   | 9250m    | 2.349  | ug/L   |          |
| 19) 1,1-Dichloroethane        | 6.222  | 63   | 11943    | 2.363  | ug/L   | 93       |
| 20) cis-1,2-Dichloroethene    | 7.179  | 96   | 6813     | 2.416  | ug/L   | 85       |
| 22) 2-Butanone                | 7.179  | 43   | 4048m    | 5.073  | ug/L   |          |
| 23) Bromochloromethane        | 7.514  | 128  | 3196     | 2.564  | ug/L   | 93       |
| 25) Chloroform                | 7.673  | 83   | 12650    | 2.432  | ug/L   | 96       |
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 9229     | 2.513  | ug/L   | 100      |
| 29) Cyclohexane               | 7.953  | 56   | 10505    | 2.289  | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 10814    | 2.345  | ug/L   | 93       |
| 31) Carbon tetrachloride      | 8.063  | 117  | 10444    | 2.415  | ug/L   | 97       |
| 33) Benzene                   | 8.325  | 78   | 25708    | 2.375  | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 7292     | 2.414  | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.337  | 83   | 12174    | 2.385  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 6776     | 2.447  | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.642  | 83   | 8843     | 2.369  | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 10052    | 2.267  | ug/L   | 91       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 7086     | 4.636  | ug/L   | 96       |
| 42) Toluene                   | 10.386 | 91   | 27665    | 2.342  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 8259     | 2.206  | ug/L   | 97       |

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 APPROVED

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 Supervised By :Mahesh Dadoda 03/18/2024

Quant Time: Mar 15 01:23:43 2024  
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 Quant Title : SFAM01.0  
 QLast Update : Fri Mar 15 01:22:29 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 5060     | 2.529 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.861 | 164  | 6168     | 2.534 | ug/L   | 83       |
| 48) 2-Hexanone                | 10.965 | 43   | 5502     | 4.596 | ug/L   | 97       |
| 49) Dibromochloromethane      | 11.129 | 129  | 5857     | 2.472 | ug/L   | 84       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 4630     | 2.420 | ug/L   | 97       |
| 51) Chlorobenzene             | 11.654 | 112  | 18074    | 2.410 | ug/L   | 94       |
| 52) Ethylbenzene              | 11.727 | 91   | 31489    | 2.283 | ug/L   | 93       |
| 53) m,p-Xylene                | 11.837 | 106  | 12312    | 2.372 | ug/L   | 86       |
| 54) o-Xylene                  | 12.160 | 106  | 11094    | 2.305 | ug/L   | 96       |
| 55) Styrene                   | 12.178 | 104  | 18613    | 2.252 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 5503     | 2.405 | ug/L   | 91       |
| 59) Bromoform                 | 12.343 | 173  | 3255     | 2.450 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.458 | 105  | 30619    | 2.324 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 4571     | 2.701 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 19846    | 2.245 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 23251    | 2.178 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 14348    | 2.441 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 14632    | 2.490 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 12549    | 2.479 | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 1007     | 2.533 | ug/L # | 80       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 9731     | 2.377 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 8371     | 2.407 | ug/L   | 99       |
| 71) Naphthalene               | 15.360 | 128  | 13813    | 2.314 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 7228     | 2.521 | ug/L   | 95       |

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

