

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071024\  
 Data File : VW029495.D  
 Acq On : 10 Jul 2024 09:47  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025531

Quant Time: Jul 11 02:09:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jul 10 01:18:26 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/12/2024  
 Supervised By :Semsettin Yesilyurt 07/12/2024

| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 8.837  | 114   | 273631   | 25.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 249381   | 25.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.550 | 152   | 124963   | 25.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 111119   | 25.138   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | = 100.560% |          |
| 7) Chloroethane-d5            | 2.899  | 69    | 82584    | 25.947   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | = 103.800% |          |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 51400    | 25.895   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | = 103.560% |          |
| 21) 2-Butanone-d5             | 7.075  | 46    | 55653    | 41.941   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | = 83.880%  |          |
| 24) Chloroform-d              | 7.648  | 84    | 211368   | 26.720   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | = 106.880% |          |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 120622   | 25.997   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | = 104.000% |          |
| 32) Benzene-d6                | 8.270  | 84    | 415751   | 27.829   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | = 111.320% |          |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 129845   | 27.183   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | = 108.720% |          |
| 41) Toluene-d8                | 10.319 | 98    | 372543   | 28.355   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | = 113.440% |          |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 51359    | 25.391   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | = 101.560% |          |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 39198    | 45.160   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | = 90.320%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 94986    | 24.492   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | = 97.960%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 114335   | 26.272   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | = 105.080% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 55142m   | 20.580   | ug/L       |          |
| 3) Chloromethane              | 2.223  | 50    | 81999    | 22.873   | ug/L       | 94       |
| 5) Vinyl chloride             | 2.375  | 62    | 100210   | 24.494   | ug/L       | 95       |
| 6) Bromomethane               | 2.790  | 94    | 61317    | 25.313   | ug/L       | 95       |
| 8) Chloroethane               | 2.936  | 64    | 64410    | 25.586   | ug/L       | 98       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 89758    | 24.373   | ug/L       | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 91548    | 25.260   | ug/L       | 95       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 87163    | 25.614   | ug/L       | 98       |
| 13) Acetone                   | 4.119  | 43    | 58085    | 43.370   | ug/L       | 100      |
| 14) Carbon disulfide          | 4.393  | 76    | 284502   | 25.745   | ug/L       | 99       |
| 15) Methyl Acetate            | 4.667  | 43    | 48770    | 20.741   | ug/L       | 98       |
| 16) Methylene chloride        | 4.917  | 84    | 103786   | 21.186   | ug/L       | 96       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 96983    | 25.745   | ug/L       | 93       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 150675   | 23.509   | ug/L       | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 199449   | 25.781   | ug/L       | 97       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 106479   | 25.849   | ug/L       | 97       |
| 22) 2-Butanone                | 7.167  | 43    | 70564    | 40.134   | ug/L       | 99       |
| 23) Bromochloromethane        | 7.520  | 128   | 44826    | 24.193   | ug/L       | 86       |
| 25) Chloroform                | 7.673  | 83    | 192435   | 25.708   | ug/L       | 97       |

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 Quant Title : SFAM01.0  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 136024   | 24.228 | ug/L # | 95       |
| 29) Cyclohexane               | 7.953  | 56   | 169922   | 27.364 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 153202   | 26.902 | ug/L   | 100      |
| 31) Carbon tetrachloride      | 8.063  | 117  | 139330   | 26.715 | ug/L   | 99       |
| 33) Benzene                   | 8.319  | 78   | 421168   | 26.993 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 109185   | 26.499 | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.331  | 83   | 183548   | 27.715 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 115836   | 26.847 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 136844   | 25.966 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 172805   | 26.665 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 140327   | 46.147 | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 443672   | 27.795 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 142042   | 25.573 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 76358    | 24.607 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 75976    | 25.954 | ug/L   | 86       |
| 48) 2-Hexanone                | 10.965 | 43   | 106032   | 46.414 | ug/L   | 100      |
| 49) Dibromochloromethane      | 11.130 | 129  | 82440    | 25.529 | ug/L   | 93       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 71250    | 24.095 | ug/L   | 95       |
| 51) Chlorobenzene             | 11.654 | 112  | 279573   | 27.094 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 498962   | 27.590 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.837 | 106  | 184564   | 27.800 | ug/L   | 100      |
| 54) o-Xylene                  | 12.160 | 106  | 177750   | 28.947 | ug/L   | 88       |
| 55) Styrene                   | 12.178 | 104  | 306741   | 28.409 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83   | 92568    | 23.649 | ug/L   | 96       |
| 59) Bromoform                 | 12.349 | 173  | 44269    | 22.950 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.459 | 105  | 481478   | 27.384 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 68287    | 22.579 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 365631   | 29.234 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 386918   | 28.030 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 204467   | 25.944 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 202816   | 25.120 | ug/L   | 91       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 184297   | 25.869 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.477 | 75   | 14529    | 20.095 | ug/L # | 85       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 135987   | 26.450 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 112622   | 24.895 | ug/L   | 98       |
| 71) Naphthalene               | 15.360 | 128  | 209006   | 22.012 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 99218    | 24.139 | ug/L   | 98       |

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

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