

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW090523\  
 Data File : VW026989.D  
 Acq On : 05 Sep 2023 09:34  
 Operator : SY/MD  
 Sample : VSTD2.528  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD2.5428

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/06/2023  
 Supervised By : Mahesh Dadoda 09/06/2023

Quant Time: Sep 06 01:33:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM090523SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 06 01:32:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114  | 756867   | 25.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117  | 705265   | 25.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152  | 376141   | 25.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65   | 40637    | 3.005  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.893  | 69   | 28458    | 2.608  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65   | 13427    | 2.676  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 7.100  | 46   | 15367m   | 5.996  | ug/L   | 0.02     |
| 24) Chloroform-d              | 7.642  | 84   | 57127    | 2.537  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65   | 34371    | 2.903  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.276  | 84   | 120289   | 2.600  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67   | 33903    | 2.497  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.319 | 98   | 109543   | 2.616  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79   | 13048    | 2.476  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.928 | 63   | 5285     | 4.168  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84   | 25947    | 2.462  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152  | 33393    | 2.567  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
| 2) Dichlorodifluoromethane    | 2.021  | 85   | 27723m   | 3.176  | ug/L   |          |
| 3) Chloromethane              | 2.216  | 50   | 32159    | 2.449  | ug/L   | 94       |
| 5) Vinyl chloride             | 2.369  | 62   | 37828    | 2.525  | ug/L   | 97       |
| 6) Bromomethane               | 2.789  | 94   | 25321    | 2.561  | ug/L   | 92       |
| 8) Chloroethane               | 2.930  | 64   | 23294    | 2.477  | ug/L   | 94       |
| 9) Trichlorofluoromethane     | 3.265  | 101  | 19169    | 2.208  | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101  | 26868    | 2.489  | ug/L # | 70       |
| 12) 1,1-Dichloroethene        | 4.045  | 96   | 27197    | 2.543  | ug/L   | 93       |
| 13) Acetone                   | 4.118  | 43   | 17881    | 7.838  | ug/L   | 93       |
| 14) Carbon disulfide          | 4.387  | 76   | 85889    | 2.504  | ug/L   | 95       |
| 15) Methyl Acetate            | 4.667  | 43   | 11907    | 2.427  | ug/L # | 90       |
| 16) Methylene chloride        | 4.923  | 84   | 57173    | 3.842  | ug/L   | 92       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96   | 27922    | 2.386  | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73   | 36320    | 2.228  | ug/L # | 91       |
| 19) 1,1-Dichloroethane        | 6.210  | 63   | 53244    | 2.413  | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96   | 30471    | 2.366  | ug/L   | 95       |
| 22) 2-Butanone                | 7.173  | 43   | 23941m   | 6.568  | ug/L   |          |
| 23) Bromochloromethane        | 7.508  | 128  | 13883    | 2.484  | ug/L   | 91       |
| 25) Chloroform                | 7.673  | 83   | 53799    | 2.486  | ug/L   | 95       |
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 33304m   | 2.433  | ug/L   |          |
| 29) Cyclohexane               | 7.953  | 56   | 40358    | 2.195  | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 41595    | 2.604  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 34842    | 2.447  | ug/L   | 97       |
| 33) Benzene                   | 8.319  | 78   | 120135   | 2.491  | ug/L   | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 31165    | 2.515  | ug/L   | 88       |
| 35) Methylcyclohexane         | 9.331  | 83   | 46962    | 2.230  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 30208    | 2.454  | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 35421    | 2.444  | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 40600    | 2.221  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 27925    | 4.395  | ug/L   | 98       |
| 42) Toluene                   | 10.386 | 91   | 113393   | 2.284  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 31966    | 2.154  | ug/L   | 94       |

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 ClientSampleId :  
 VSTD2.5428

Quant Time: Sep 06 01:33:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM090523SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 06 01:32:52 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2023  
 Supervised By :Mahesh Dadoda 09/06/2023

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 22271    | 2.512 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.861 | 164  | 24245    | 2.563 | ug/L   | 95       |
| 48) 2-Hexanone                | 10.965 | 43   | 19018m   | 4.499 | ug/L   |          |
| 49) Dibromochloromethane      | 11.129 | 129  | 21932    | 2.401 | ug/L   | 85       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 19117    | 2.381 | ug/L # | 97       |
| 51) Chlorobenzene             | 11.660 | 112  | 79131    | 2.475 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.727 | 91   | 123373   | 2.242 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 46634    | 2.240 | ug/L   | 100      |
| 54) o-Xylene                  | 12.166 | 106  | 40219    | 2.065 | ug/L   | 91       |
| 55) Styrene                   | 12.178 | 104  | 67951    | 2.044 | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 25399    | 2.421 | ug/L # | 96       |
| 59) Bromoform                 | 12.349 | 173  | 12575    | 2.351 | ug/L # | 98       |
| 60) Isopropylbenzene          | 12.458 | 105  | 112480   | 2.183 | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 18252    | 2.537 | ug/L   | 95       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 81081    | 1.972 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 80814    | 2.010 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 57489    | 2.453 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 60869    | 2.555 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 53217    | 2.520 | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 4537     | 2.781 | ug/L # | 83       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 39884    | 2.449 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 29473    | 2.223 | ug/L   | 97       |
| 71) Naphthalene               | 15.360 | 128  | 43545    | 1.856 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 28782    | 2.395 | ug/L   | 97       |

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

