

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW091323\  
 Data File : VW027093.D  
 Acq On : 13 Sep 2023 15:33  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025500

Quant Time: Sep 14 05:45:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM090523SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Sep 09 02:59:49 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/14/2023  
 Supervised By :Mahesh Dadoda 09/14/2023

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 533677   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 522761   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 299685   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 156293   | 16.392   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 65.560%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 147545   | 19.174   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 76.680%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 71578    | 20.370   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 81.480%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 83312    | 45.349   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 90.700%  |
| 24) Chloroform-d              | 7.648  | 84    | 408937   | 25.751   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 103.000% |
| 26) 1,2-Dichloroethane-d4     | 8.301  | 65    | 201285   | 24.115   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 96.440%  |
| 32) Benzene-d6                | 8.270  | 84    | 840867   | 24.523   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 98.080%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 248146   | 24.651   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 98.600%  |
| 41) Toluene-d8                | 10.319 | 98    | 752106   | 24.227   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 96.920%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 90552    | 23.180   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 92.720%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 49882    | 53.078   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 106.160% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 212801   | 27.241   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 108.960% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 274492   | 26.483   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 105.920% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 132850m  | 21.640   | ug/L   |          |
| 3) Chloromethane              | 2.216  | 50    | 156269   | 16.876   | ug/L   | 97       |
| 5) Vinyl chloride             | 2.375  | 62    | 200892   | 19.019   | ug/L   | 94       |
| 6) Bromomethane               | 2.789  | 94    | 146524   | 21.018   | ug/L   | 92       |
| 8) Chloroethane               | 2.930  | 64    | 131608   | 19.856   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.259  | 101   | 122718   | 20.025   | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 196612   | 25.834   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.051  | 96    | 181853   | 24.117   | ug/L   | 84       |
| 13) Acetone                   | 4.119  | 43    | 57637    | 35.831   | ug/L   | 86       |
| 14) Carbon disulfide          | 4.393  | 76    | 505406   | 20.898   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.661  | 43    | 78503    | 23.472   | ug/L # | 88       |
| 16) Methylene chloride        | 4.917  | 84    | 274567   | 26.556   | ug/L   | 92       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 208342   | 25.245   | ug/L   | 93       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 315601   | 27.463   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 401038   | 25.779   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 242650   | 26.718   | ug/L   | 96       |
| 22) 2-Butanone                | 7.167  | 43    | 106132   | 41.005   | ug/L   | 94       |
| 23) Bromochloromethane        | 7.508  | 128   | 111436   | 28.274   | ug/L   | 88       |
| 25) Chloroform                | 7.673  | 83    | 418300   | 27.415   | ug/L   | 96       |

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 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025500

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/14/2023  
 Supervised By : Mahesh Dadoda 09/14/2023

Quant Time: Sep 14 05:45:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM090523SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Sep 09 02:59:49 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 249238   | 25.845 | ug/L # | 95       |
| 29) Cyclohexane               | 7.959  | 56   | 290579   | 21.320 | ug/L   | 93       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 309872   | 26.168 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 272126   | 25.784 | ug/L   | 99       |
| 33) Benzene                   | 8.325  | 78   | 912550   | 25.525 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 234259   | 25.502 | ug/L   | 90       |
| 35) Methylcyclohexane         | 9.331  | 83   | 362609   | 23.233 | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 234717   | 25.727 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.642  | 83   | 291374   | 27.119 | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 348614   | 25.740 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 228308   | 48.472 | ug/L   | 93       |
| 42) Toluene                   | 10.386 | 91   | 992801   | 26.984 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 290912   | 26.451 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 179466   | 27.307 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.855 | 164  | 179555   | 25.607 | ug/L   | 95       |
| 48) 2-Hexanone                | 10.965 | 43   | 160335   | 49.948 | ug/L   | 96       |
| 49) Dibromochloromethane      | 11.123 | 129  | 198770   | 29.360 | ug/L   | 88       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 167111   | 28.086 | ug/L   | 91       |
| 51) Chlorobenzene             | 11.654 | 112  | 643427   | 27.151 | ug/L   | 93       |
| 52) Ethylbenzene              | 11.727 | 91   | 1109076  | 27.192 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.837 | 106  | 434763   | 28.179 | ug/L   | 98       |
| 54) o-Xylene                  | 12.166 | 106  | 401947   | 27.842 | ug/L   | 98       |
| 55) Styrene                   | 12.178 | 104  | 753447   | 30.580 | ug/L   | 90       |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83   | 222212   | 28.580 | ug/L   | 98       |
| 59) Bromoform                 | 12.343 | 173  | 119082   | 27.941 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.458 | 105  | 1133694  | 27.615 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 153172   | 26.718 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 923589   | 28.193 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 920578   | 28.743 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 520754   | 27.883 | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 532520   | 28.053 | ug/L   | 90       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 488481   | 29.030 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.483 | 75   | 32665    | 25.126 | ug/L # | 87       |
| 69) 1,3,5-Trichlorobenzene    | 14.629 | 180  | 353334   | 27.235 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 284049   | 26.891 | ug/L   | 95       |
| 71) Naphthalene               | 15.360 | 128  | 538722   | 28.823 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 262226   | 27.385 | ug/L   | 98       |

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

