

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042723\  
 Data File : VW025747.D  
 Acq On : 28 Apr 2023 00:24  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025584

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/28/2023  
 Supervised By : Mahesh Dadoda 05/01/2023

Quant Time: Apr 28 04:08:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM042723SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 28 02:55:08 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.837  | 114   | 570663   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 521037   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 256772   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 136686   | 19.635   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 78.560%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 113338   | 22.709   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 90.840%  |
| 11) 1,1-Dichloroethene-d2     | 4.033  | 63    | 360040   | 22.685   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 90.760%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 119624   | 52.075   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 104.160% |
| 24) Chloroform-d              | 7.648  | 84    | 389411   | 25.437   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 101.760% |
| 26) 1,2-Dichloroethane-d4     | 8.301  | 65    | 221511   | 26.542   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 106.160% |
| 32) Benzene-d6                | 8.276  | 84    | 761092   | 24.060   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 96.240%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 243416   | 23.790   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 95.160%  |
| 41) Toluene-d8                | 10.319 | 98    | 681090   | 24.355   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 97.440%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 98426    | 24.685   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 98.720%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 89197    | 56.128   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 112.260% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 193604   | 25.674   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 102.680% |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 223143   | 25.366   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 101.480% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 193648m  | 26.799   | ug/L   |          |
| 3) Chloromethane              | 2.223  | 50    | 211674   | 22.176   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.375  | 62    | 210742   | 20.998   | ug/L   | 95       |
| 6) Bromomethane               | 2.790  | 94    | 122732   | 23.114   | ug/L   | 95       |
| 8) Chloroethane               | 2.936  | 64    | 123569   | 24.171   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 161784   | 21.446   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 186843   | 23.733   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 179761   | 23.303   | ug/L   | 91       |
| 13) Acetone                   | 4.119  | 43    | 82212    | 38.611   | ug/L   | 98       |
| 14) Carbon disulfide          | 4.393  | 76    | 632662   | 23.427   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.667  | 43    | 106637   | 25.287   | ug/L   | 100      |
| 16) Methylene chloride        | 4.917  | 84    | 228882   | 21.232   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 199742   | 24.582   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 320150   | 27.379   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 418171   | 25.252   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 218567   | 25.644   | ug/L # | 98       |
| 22) 2-Butanone                | 7.173  | 43    | 135172   | 50.070   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.514  | 128   | 92677    | 26.183   | ug/L   | 95       |
| 25) Chloroform                | 7.673  | 83    | 392168   | 25.784   | ug/L   | 97       |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025584

Quant Time: Apr 28 04:08:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM042723SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 28 02:55:08 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/28/2023  
 Supervised By : Mahesh Dadoda 05/01/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 281875   | 27.076 | ug/L   | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 383071   | 23.632 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 308940   | 24.353 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 277369   | 24.099 | ug/L   | 99       |
| 33) Benzene                   | 8.325  | 78   | 892647   | 25.104 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 221881   | 24.158 | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.337  | 83   | 387994   | 23.768 | ug/L   | 100      |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 238054   | 24.837 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 278221   | 25.681 | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 342502   | 24.954 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 304435   | 52.659 | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 927358   | 25.564 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 290086   | 25.726 | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 160711   | 25.877 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 154071   | 23.688 | ug/L   | 94       |
| 48) 2-Hexanone                | 10.965 | 43   | 210313   | 51.660 | ug/L   | 96       |
| 49) Dibromochloromethane      | 11.129 | 129  | 172202   | 26.770 | ug/L   | 93       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 149147   | 26.178 | ug/L # | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 557502   | 24.972 | ug/L   | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 1043973  | 25.663 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.837 | 106  | 381366   | 25.394 | ug/L   | 96       |
| 54) o-Xylene                  | 12.166 | 106  | 365139   | 26.076 | ug/L   | 92       |
| 55) Styrene                   | 12.178 | 104  | 636196   | 26.801 | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83   | 194059   | 25.513 | ug/L   | 97       |
| 59) Bromoform                 | 12.349 | 173  | 95601    | 26.871 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.459 | 105  | 1014606  | 25.728 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 146460   | 26.226 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 818808   | 26.407 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 755543   | 26.975 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 417993   | 25.115 | ug/L   | 88       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 419951   | 24.887 | ug/L   | 93       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 373634   | 25.446 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 31535    | 24.665 | ug/L   | 93       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 266577   | 24.620 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 222407   | 24.056 | ug/L   | 98       |
| 71) Naphthalene               | 15.360 | 128  | 441471   | 26.734 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 205596   | 25.194 | ug/L   | 98       |

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

