

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
 Data File : VW024432.D  
 Acq On : 28 Aug 2022 08:35  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025552

Quant Time: Aug 29 05:02:58 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082622SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Aug 29 04:56:06 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/30/2022  
 Supervised By : Mahesh Dadoda 08/30/2022

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.836  | 114   | 324498   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 320266   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 173734   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.343  | 65    | 170233   | 19.031   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 76.120%  |
| 7) Chloroethane-d5            | 2.873  | 69    | 140879   | 21.020   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 84.080%  |
| 11) 1,1-Dichloroethene-d2     | 4.007  | 63    | 186682   | 24.064   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 96.240%  |
| 21) 2-Butanone-d5             | 7.074  | 46    | 81503    | 49.468   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 98.940%  |
| 24) Chloroform-d              | 7.641  | 84    | 271925   | 26.066   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 104.280% |
| 26) 1,2-Dichloroethane-d4     | 8.299  | 65    | 160617   | 25.388   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 101.560% |
| 32) Benzene-d6                | 8.269  | 84    | 486609   | 26.519   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 106.080% |
| 36) 1,2-Dichloropropane-d6    | 9.268  | 67    | 156864   | 27.488   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 109.960% |
| 41) Toluene-d8                | 10.317 | 98    | 447299   | 25.638   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 102.560% |
| 43) trans-1,3-Dichloroprop... | 10.573 | 79    | 59921    | 22.438   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 89.760%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 66023    | 51.700   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 103.400% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 164053   | 25.391   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 101.560% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 177408   | 27.117   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 108.480% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.001  | 85    | 51327    | 15.792   | ug/L   | 100      |
| 3) Chloromethane              | 2.209  | 50    | 139347   | 22.948   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.355  | 62    | 213301   | 20.094   | ug/L   | 98       |
| 6) Bromomethane               | 2.764  | 94    | 144945   | 19.453   | ug/L   | 95       |
| 8) Chloroethane               | 2.904  | 64    | 118617   | 21.391   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.245  | 101   | 80752    | 16.177   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.044  | 101   | 115835   | 24.194   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.025  | 96    | 101533   | 26.195   | ug/L   | 89       |
| 13) Acetone                   | 4.123  | 43    | 44709    | 45.472   | ug/L   | 96       |
| 14) Carbon disulfide          | 4.373  | 76    | 302529   | 23.485   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.666  | 43    | 57729    | 24.001   | ug/L   | 95       |
| 16) Methylene chloride        | 4.897  | 84    | 131235   | 24.114   | ug/L   | 89       |
| 17) trans-1,2-Dichloroethene  | 5.409  | 96    | 121123   | 26.401   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.422  | 73    | 206883   | 27.540   | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 6.208  | 63    | 225705   | 26.016   | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 7.159  | 96    | 140276m  | 27.804   | ug/L   |          |
| 22) 2-Butanone                | 7.171  | 43    | 76243    | 43.462   | ug/L   | 97       |
| 23) Bromochloromethane        | 7.507  | 128   | 65646    | 26.647   | ug/L   | 91       |
| 25) Chloroform                | 7.671  | 83    | 257284   | 26.729   | ug/L   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
 Data File : VW024432.D  
 Acq On : 28 Aug 2022 08:35  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025552

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/30/2022  
 Supervised By :Mahesh Dadoda 08/30/2022

Quant Time: Aug 29 05:02:58 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082622SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Aug 29 04:56:06 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 173230   | 24.724 | ug/L   | 99       |
| 29) Cyclohexane               | 7.946  | 56   | 171319   | 24.812 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.860  | 97   | 191285   | 25.334 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 8.061  | 117  | 173419   | 25.105 | ug/L   | 99       |
| 33) Benzene                   | 8.317  | 78   | 543043   | 27.234 | ug/L   | 100      |
| 34) Trichloroethene           | 9.086  | 95   | 134931   | 25.675 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.329  | 83   | 197269   | 23.395 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 136216   | 26.471 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.640  | 83   | 188766   | 26.937 | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 10.067 | 75   | 184511   | 25.651 | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 179822   | 49.143 | ug/L   | 98       |
| 42) Toluene                   | 10.384 | 91   | 589591   | 26.793 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 162586   | 23.261 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.780 | 97   | 110210   | 26.264 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.860 | 164  | 96956    | 23.755 | ug/L   | 91       |
| 48) 2-Hexanone                | 10.963 | 43   | 123580   | 45.787 | ug/L   | 97       |
| 49) Dibromochloromethane      | 11.128 | 129  | 131852   | 26.566 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 11.232 | 107  | 104969   | 26.019 | ug/L   | 91       |
| 51) Chlorobenzene             | 11.652 | 112  | 385900   | 26.127 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.725 | 91   | 645216   | 26.521 | ug/L   | 93       |
| 53) m,p-Xylene                | 11.835 | 106  | 249604   | 26.124 | ug/L   | 89       |
| 54) o-Xylene                  | 12.164 | 106  | 243699   | 27.284 | ug/L   | 100      |
| 55) Styrene                   | 12.176 | 104  | 444383   | 28.146 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 143508   | 24.501 | ug/L # | 97       |
| 59) Bromoform                 | 12.347 | 173  | 72398    | 25.967 | ug/L # | 97       |
| 60) Isopropylbenzene          | 12.463 | 105  | 639113   | 27.697 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.762 | 75   | 101045   | 25.719 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.939 | 105  | 544018   | 29.239 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.243 | 105  | 533411   | 29.515 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 282860   | 25.639 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.573 | 146  | 304725   | 26.162 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 274131   | 26.507 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 22178    | 22.468 | ug/L   | 99       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 166085   | 23.324 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 131845   | 23.818 | ug/L   | 93       |
| 71) Naphthalene               | 15.359 | 128  | 331396   | 27.259 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 135408   | 25.882 | ug/L   | 99       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082622\  
 Data File : VW024432.D  
 Acq On : 28 Aug 2022 08:35  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025552

Quant Time: Aug 29 05:02:58 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082622SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Aug 29 04:56:06 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/30/2022  
 Supervised By : Mahesh Dadoda 08/30/2022

