

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121521\  
 Data File : VW021402.D  
 Acq On : 15 Dec 2021 20:19  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025512

Quant Time: Dec 16 01:02:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Dec 16 00:57:02 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2021  
 Supervised By :Mahesh Dadoda 12/18/2021

| Compound                      | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                         |           |       |          |          |             |          |
| Internal Standards            |           |       |          |          |             |          |
| 1) 1,4-Difluorobenzene        | 8.841     | 114   | 93903    | 25.000   | ug/L        | # 0.00   |
| 28) Chlorobenzene-d5          | 11.628    | 117   | 91105    | 25.000   | ug/L        | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560    | 152   | 52336    | 25.000   | ug/L        | 0.00     |
| System Monitoring Compounds   |           |       |          |          |             |          |
| 4) Vinyl Chloride-d3          | 2.343     | 65    | 43836    | 25.632   | ug/L        | -0.01    |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 102.520%  |          |
| 7) Chloroethane-d5            | 2.879     | 69    | 30784    | 27.228   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 108.920%  |          |
| 11) 1,1-Dichloroethene-d2     | 4.013     | 63    | 51017    | 22.375   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 110 | Recovery | = 89.520%   |          |
| 21) 2-Butanone-d5             | 7.086     | 46    | 15103    | 62.649   | ug/L        | 0.01     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 125.300%  |          |
| 24) Chloroform-d              | 7.647     | 84    | 66251    | 25.317   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 40 - 150 | Recovery | = 101.280%  |          |
| 26) 1,2-Dichloroethane-d4     | 8.305     | 65    | 36606    | 26.298   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 130 | Recovery | = 105.200%  |          |
| 32) Benzene-d6                | 8.274     | 84    | 120258   | 24.081   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 20 - 135 | Recovery | = 96.320%   |          |
| 36) 1,2-Dichloropropane-d6    | 9.274     | 67    | 33571    | 25.067   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 120 | Recovery | = 100.280%  |          |
| 41) Toluene-d8                | 10.323    | 98    | 121198   | 23.753   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 130 | Recovery | = 95.000%   |          |
| 43) trans-1,3-Dichloroprop... | 10.573    | 79    | 15397    | 24.968   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 135 | Recovery | = 99.880%   |          |
| 47) 2-Hexanone-d5             | 10.926    | 63    | 13263    | 66.971   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 133.940%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688    | 84    | 35121    | 30.506   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 120 | Recovery | = 122.040%# |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853    | 152   | 53491    | 26.372   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000    | Range | 75 - 120 | Recovery | = 105.480%  |          |
| Target Compounds              |           |       |          |          |             |          |
|                               |           |       |          |          | Qvalue      |          |
| 2) Dichlorodifluoromethane    | 2.007     | 85    | 9933     | 27.377   | ug/L        | 95       |
| 3) Chloromethane              | 2.202     | 50    | 30695    | 25.554   | ug/L        | 99       |
| 5) Vinyl chloride             | 2.355     | 62    | 47255    | 25.060   | ug/L        | 99       |
| 6) Bromomethane               | 2.775     | 94    | 31614    | 25.848   | ug/L        | 97       |
| 8) Chloroethane               | 2.910     | 64    | 23325    | 26.850   | ug/L        | 100      |
| 9) Trichlorofluoromethane     | 3.245     | 101   | 20839    | 20.945   | ug/L        | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.050     | 101   | 32143    | 24.789   | ug/L        | 90       |
| 12) 1,1-Dichloroethene        | 4.031     | 96    | 27634    | 23.741   | ug/L        | 83       |
| 13) Acetone                   | 4.147     | 43    | 10423m   | 48.229   | ug/L        |          |
| 14) Carbon disulfide          | 4.379     | 76    | 69640    | 23.168   | ug/L        | 97       |
| 15) Methyl Acetate            | 4.684     | 43    | 10898    | 29.226   | ug/L #      | 86       |
| 16) Methylene chloride        | 4.909     | 84    | 30655    | 19.757   | ug/L        | 83       |
| 17) trans-1,2-Dichloroethene  | 5.421     | 96    | 29173    | 23.148   | ug/L        | 84       |
| 18) Methyl tert-butyl Ether   | 5.427     | 73    | 44270    | 25.434   | ug/L        | 94       |
| 19) 1,1-Dichloroethane        | 6.214     | 63    | 47822    | 24.181   | ug/L        | 98       |
| 20) cis-1,2-Dichloroethene    | 7.171     | 96    | 32227    | 24.244   | ug/L        | 69       |
| 22) 2-Butanone                | 7.183     | 43    | 15022    | 53.226   | ug/L        | 86       |
| 23) Bromochloromethane        | 7.512     | 128   | 16394    | 26.376   | ug/L #      | 61       |
| 25) Chloroform                | 7.677     | 83    | 56167    | 24.466   | ug/L        | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121521\  
 Data File : VW021402.D  
 Acq On : 15 Dec 2021 20:19  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025512

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2021  
 Supervised By :Mahesh Dadoda 12/18/2021

Quant Time: Dec 16 01:02:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Dec 16 00:57:02 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.402  | 62   | 38046    | 26.170 | ug/L   | 96       |
| 29) Cyclohexane               | 7.951  | 56   | 40833    | 22.518 | ug/L # | 80       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 48768    | 23.858 | ug/L   | 94       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 44148    | 23.412 | ug/L   | 99       |
| 33) Benzene                   | 8.323  | 78   | 119119   | 24.002 | ug/L   | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 32807    | 23.548 | ug/L   | 91       |
| 35) Methylcyclohexane         | 9.335  | 83   | 51840    | 22.557 | ug/L   | 85       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 27361    | 24.716 | ug/L # | 95       |
| 38) Bromodichloromethane      | 9.646  | 83   | 40143    | 26.374 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 43980    | 25.203 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 34378    | 56.994 | ug/L # | 91       |
| 42) Toluene                   | 10.390 | 91   | 136767   | 23.563 | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 39549    | 25.875 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 24752    | 27.318 | ug/L   | 94       |
| 46) Tetrachloroethene         | 10.859 | 164  | 30774    | 23.253 | ug/L   | 98       |
| 48) 2-Hexanone                | 10.969 | 43   | 25921    | 59.258 | ug/L # | 95       |
| 49) Dibromochloromethane      | 11.128 | 129  | 31074    | 27.819 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 11.237 | 107  | 24646    | 27.333 | ug/L # | 96       |
| 51) Chlorobenzene             | 11.652 | 112  | 94830    | 24.402 | ug/L   | 89       |
| 52) Ethylbenzene              | 11.725 | 91   | 154317   | 23.265 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.835 | 106  | 62215    | 23.251 | ug/L   | 94       |
| 54) o-Xylene                  | 12.164 | 106  | 60677    | 23.894 | ug/L   | 95       |
| 55) Styrene                   | 12.182 | 104  | 104259   | 24.123 | ug/L   | 87       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 30247    | 29.121 | ug/L # | 94       |
| 59) Bromoform                 | 12.347 | 173  | 17725    | 28.464 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 168005   | 23.625 | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 21568    | 28.316 | ug/L # | 91       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 143459   | 23.707 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 142386   | 23.852 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 83715    | 24.957 | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 82924    | 24.882 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 78497    | 26.581 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 4576     | 29.126 | ug/L # | 60       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 60711    | 24.216 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 51493    | 25.536 | ug/L   | 95       |
| 71) Naphthalene               | 15.359 | 128  | 97114    | 29.643 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 45151    | 27.093 | ug/L   | 98       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121521\  
 Data File : VW021402.D  
 Acq On : 15 Dec 2021 20:19  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025512

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/16/2021  
 Supervised By : Mahesh Dadoda 12/18/2021

Quant Time: Dec 16 01:02:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Dec 16 00:57:02 2021  
 Response via : Initial Calibration

