

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW051524\  
 Data File : VW035611.D  
 Acq On : 14 May 2024 16:37  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005393

Quant Time: May 15 04:19:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR051424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed May 15 02:29:38 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2024  
 Supervised By :Semsettin Yesilyurt 05/15/2024

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.532  | 114   | 249767   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783  | 117   | 255326   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185 | 152   | 135582   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 62482    | 3.944    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 78.800%  |
| 7) Chloroethane-d5            | 1.529  | 69    | 61591    | 4.294    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 85.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65    | 27554    | 3.915    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 78.400%  |
| 20) 2-Butanone-d5             | 3.828  | 46    | 183023   | 49.571   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 99.140%  |
| 24) Chloroform-d              | 4.246  | 84    | 152148   | 4.526    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.600%  |
| 26) 1,2-Dichloroethane-d4     | 4.944  | 65    | 71668    | 4.649    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.000%  |
| 32) Benzene-d6                | 4.957  | 84    | 270049   | 4.615    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.200%  |
| 36) 1,2-Dichloropropane-d6    | 5.989  | 67    | 84948    | 4.580    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 91.600%  |
| 41) Toluene-d8                | 7.239  | 98    | 247766   | 4.802    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.000%  |
| 43) trans-1,3-Dichloroprop... | 7.555  | 79    | 32141    | 4.982    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 99.600%  |
| 46) 2-Hexanone-d5             | 8.027  | 63    | 151872   | 52.037   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 104.080% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152 | 84    | 71539    | 4.762    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 95.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.558 | 152   | 92365    | 4.405    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 88.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 89818    | 4.488    | ug/L   | 98       |
| 3) Chloromethane              | 1.214  | 50    | 99310    | 4.398    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.281  | 62    | 105734   | 4.663    | ug/L   | 99       |
| 6) Bromomethane               | 1.487  | 94    | 68355    | 4.464    | ug/L   | 99       |
| 8) Chloroethane               | 1.548  | 64    | 66152    | 4.511    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.712  | 101   | 134287   | 4.583    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063  | 101   | 85277    | 4.630    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.066  | 96    | 78687    | 4.474    | ug/L   | 94       |
| 13) Acetone                   | 2.159  | 43    | 142066m  | 48.467   | ug/L   |          |
| 14) Carbon disulfide          | 2.236  | 76    | 228366   | 4.667    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.388  | 43    | 28726    | 4.270    | ug/L   | 96       |
| 16) Methylene chloride        | 2.442  | 84    | 119802   | 4.836    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 2.703  | 73    | 200024   | 4.927    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 2.690  | 96    | 84639    | 4.634    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.108  | 63    | 172327   | 4.737    | ug/L   | 99       |
| 21) 2-Butanone                | 3.908  | 43    | 194973   | 49.427   | ug/L   | 89       |
| 22) cis-1,2-Dichloroethene    | 3.812  | 96    | 92783    | 4.825    | ug/L   | 96       |
| 23) Bromochloromethane        | 4.149  | 128   | 44606    | 4.772    | ug/L   | 92       |
| 25) Chloroform                | 4.272  | 83    | 179474   | 4.716    | ug/L   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV051524\  
 Data File : VV035611.D  
 Acq On : 14 May 2024 16:37  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005393

Quant Time: May 15 04:19:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR051424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed May 15 02:29:38 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 05/15/2024  
 Supervised By :Semsettin Yesilyurt 05/15/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.043  | 62   | 97325    | 4.609  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 4.506  | 97   | 148258   | 4.795  | ug/L  | 100      |
| 30) Cyclohexane               | 4.577  | 56   | 108157   | 4.841  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.731  | 117  | 128078   | 4.759  | ug/L  | 99       |
| 33) Benzene                   | 5.008  | 78   | 352912   | 5.024  | ug/L  | 100      |
| 34) Trichloroethene           | 5.831  | 95   | 97708    | 4.851  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.047  | 83   | 121866   | 4.676  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.092  | 63   | 94759    | 5.031  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.432  | 83   | 122417   | 4.816  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 126136   | 5.015  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 480058   | 53.639 | ug/L  | 100      |
| 42) Toluene                   | 7.313  | 91   | 382175   | 5.220  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.583  | 75   | 108905   | 5.136  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 72601    | 4.922  | ug/L  | 97       |
| 47) Tetrachloroethene         | 7.902  | 164  | 75765    | 4.767  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.075  | 43   | 361577   | 54.944 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.175  | 129  | 81094    | 4.972  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 67625    | 4.931  | ug/L  | 98       |
| 51) Chlorobenzene             | 8.812  | 112  | 247912   | 4.874  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.944  | 91   | 383417   | 5.016  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.072  | 106  | 148499   | 5.100  | ug/L  | 98       |
| 54) o-Xylene                  | 9.477  | 106  | 142802   | 5.182  | ug/L  | 97       |
| 55) Styrene                   | 9.493  | 104  | 258009   | 5.375  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 76292    | 4.839  | ug/L  | 98       |
| 59) Bromoform                 | 9.664  | 173  | 44039    | 4.515  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.863  | 105  | 377186   | 4.906  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 61134    | 4.835  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 288053   | 4.762  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 295121   | 4.930  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 201923   | 4.878  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 203296   | 4.774  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 190949   | 4.829  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 12880    | 4.780  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 148419   | 4.740  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 117369   | 4.724  | ug/L  | 100      |
| 71) Naphthalene               | 13.439 | 128  | 167958   | 4.702  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.676 | 180  | 113015   | 4.918  | ug/L  | 99       |

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

