

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081122\  
 Data File : VX030580.D  
 Acq On : 11 Aug 2022 18:19  
 Operator : JC/MD  
 Sample : VSTDCC050EC  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050778

Quant Time: Aug 12 05:29:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML080422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 12 04:17:17 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/14/2022  
 Supervised By :Semsettin Yesilyurt 08/14/2022

| Compound                      | R.T.    | QIon           | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|---------|----------------|----------|---------|----------|----------|
| -----                         |         |                |          |         |          |          |
| Internal Standards            |         |                |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 6.769   | 114            | 242919   | 50.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117            | 220618   | 50.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152            | 111820   | 50.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |         |                |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65             | 64612    | 41.418  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 135 | Recovery | =       | 82.840%  |          |
| 7) Chloroethane-d5            | 1.666   | 69             | 56254    | 51.154  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 130 | Recovery | =       | 102.300% |          |
| 11) 1,1-Dichloroethene-d2     | 2.306   | 63             | 160312   | 54.327  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 108.660% |          |
| 21) 2-Butanone-d5             | 4.477   | 46             | 186821   | 129.252 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 40 - 130 | Recovery | =       | 129.250% |          |
| 24) Chloroform-d              | 5.062   | 84             | 178440   | 55.567  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 111.140% |          |
| 26) 1,2-Dichloroethane-d4     | 5.958   | 65             | 120878   | 55.437  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 110.880% |          |
| 32) Benzene-d6                | 5.977   | 84             | 317162   | 50.188  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 100.380% |          |
| 36) 1,2-Dichloropropane-d6    | 7.312   | 67             | 110408   | 53.849  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 120 | Recovery | =       | 107.700% |          |
| 41) Toluene-d8                | 8.653   | 98             | 293039   | 49.194  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 98.380%  |          |
| 43) trans-1,3-Dichloroprop... | 8.952   | 79             | 51080    | 50.078  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 100.160% |          |
| 47) 2-Hexanone-d5             | 9.391   | 63             | 124785   | 119.401 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 45 - 130 | Recovery | =       | 119.400% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195  | 84             | 158295   | 58.770  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 65 - 120 | Recovery | =       | 117.540% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.323  | 152            | 116317   | 53.630  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 107.260% |          |
| Target Compounds              |         |                |          |         |          |          |
|                               |         |                |          |         |          | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.166   | 85             | 96501    | 52.793  | ug/L     | 100      |
| 3) Chloromethane              | 1.288   | 50             | 71129    | 45.255  | ug/L     | 99       |
| 5) Vinyl chloride             | 1.368   | 62             | 80967    | 48.227  | ug/L     | 97       |
| 6) Bromomethane               | 1.611   | 94             | 22024    | 27.916  | ug/L     | 95       |
| 8) Chloroethane               | 1.685   | 64             | 53848    | 56.309  | ug/L     | 99       |
| 9) Trichlorofluoromethane     | 1.886   | 101            | 136075   | 54.842  | ug/L     | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.325   | 101            | 87641    | 59.385  | ug/L     | 97       |
| 12) 1,1-Dichloroethene        | 2.319   | 96             | 77836    | 57.248  | ug/L #   | 77       |
| 13) Acetone                   | 2.398   | 43             | 138021   | 130.291 | ug/L     | 97       |
| 14) Carbon disulfide          | 2.508   | 76             | 211619   | 48.021  | ug/L     | 99       |
| 15) Methyl Acetate            | 2.715   | 43             | 127218   | 58.020  | ug/L     | 97       |
| 16) Methylene chloride        | 2.788   | 84             | 93103    | 54.003  | ug/L     | 95       |
| 17) trans-1,2-Dichloroethene  | 3.093   | 96             | 82617    | 52.449  | ug/L     | 96       |
| 18) Methyl tert-butyl Ether   | 3.123   | 73             | 299399   | 55.892  | ug/L     | 99       |
| 19) 1,1-Dichloroethane        | 3.611   | 63             | 175018   | 57.447  | ug/L     | 99       |
| 20) cis-1,2-Dichloroethene    | 4.495   | 96             | 97434    | 54.987  | ug/L     | 96       |
| 22) 2-Butanone                | 4.580   | 43             | 199354   | 119.294 | ug/L     | 99       |
| 23) Bromochloromethane        | 4.910   | 128            | 45453    | 51.152  | ug/L     | 93       |
| 25) Chloroform                | 5.105   | 83             | 184263   | 57.564  | ug/L     | 97       |

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 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050778

Quant Time: Aug 12 05:29:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML080422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 12 04:17:17 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 08/14/2022  
 Supervised By :Semsettin Yesilyurt 08/14/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 6.092  | 62   | 152950m  | 57.410  | ug/L  |          |
| 29) Cyclohexane               | 5.471  | 56   | 153424   | 52.311  | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 5.385  | 97   | 156869   | 53.905  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.678  | 117  | 129039   | 53.725  | ug/L  | 99       |
| 33) Benzene                   | 6.044  | 78   | 373393   | 52.788  | ug/L  | 100      |
| 34) Trichloroethene           | 7.129  | 95   | 103403   | 50.473  | ug/L  | 90       |
| 35) Methylcyclohexane         | 7.385  | 83   | 154576   | 51.829  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 7.434  | 63   | 105938   | 56.328  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.824  | 83   | 141431   | 56.820  | ug/L  | 95       |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 153406   | 54.679  | ug/L  | 95       |
| 40) 4-Methyl-2-pentanone      | 8.580  | 43   | 372863   | 113.845 | ug/L  | 98       |
| 42) Toluene                   | 8.720  | 91   | 390312   | 52.234  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.982  | 75   | 151768   | 55.269  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 95073    | 54.365  | ug/L  | 98       |
| 46) Tetrachloroethene         | 9.275  | 164  | 64902    | 50.128  | ug/L  | 98       |
| 48) 2-Hexanone                | 9.433  | 43   | 299787   | 117.807 | ug/L  | 99       |
| 49) Dibromochloromethane      | 9.525  | 129  | 101558   | 54.586  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 9.616  | 107  | 100399   | 52.205  | ug/L  | 98       |
| 51) Chlorobenzene             | 10.079 | 112  | 251205   | 53.961  | ug/L  | 99       |
| 52) Ethylbenzene              | 10.195 | 91   | 439902   | 53.992  | ug/L  | 98       |
| 53) m,p-Xylene                | 10.305 | 106  | 160670   | 52.907  | ug/L  | 95       |
| 54) o-Xylene                  | 10.646 | 106  | 159921   | 52.847  | ug/L  | 99       |
| 55) Styrene                   | 10.659 | 104  | 281394   | 55.226  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 158350   | 59.509  | ug/L  | 99       |
| 59) Bromoform                 | 10.805 | 173  | 66440    | 54.563  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.963 | 105  | 434912   | 54.871  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 11.244 | 75   | 132332   | 55.106  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 386311   | 57.089  | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 383919   | 56.180  | ug/L  | 96       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 182830   | 53.063  | ug/L  | 95       |
| 65) 1,4-Dichlorobenzene       | 12.043 | 146  | 192655   | 55.003  | ug/L  | 90       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 196988   | 55.286  | ug/L  | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 12.945 | 75   | 45514    | 57.457  | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 13.116 | 180  | 132783   | 54.953  | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.591 | 180  | 115940   | 54.635  | ug/L  | 95       |
| 71) Naphthalene               | 13.780 | 128  | 473969   | 53.958  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 123889   | 55.269  | ug/L  | 98       |

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

