

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW050124\  
 Data File : VW035485.D  
 Acq On : 01 May 2024 10:08  
 Operator : SY/MD  
 Sample : VSTD00547  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005247

Manual Integrations  
 APPROVED

Reviewed By :Romaben Patel 05/02/2024  
 Supervised By :Semsettin Yesilyurt 05/02/2024

Quant Time: May 02 00:45:48 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050124WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu May 02 00:45:24 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114  | 502641   | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117  | 492389   | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181 | 152  | 233899   | 50.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 20614    | 5.141  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.529  | 69   | 16770    | 7.007  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.056  | 65   | 9048     | 5.462  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 3.825  | 46   | 23992m   | 10.874 | ug/L   | 0.03     |
| 24) Chloroform-d              | 4.249  | 84   | 36796    | 5.333  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.950  | 65   | 21108    | 5.248  | ug/L   | 0.01     |
| 32) Benzene-d6                | 4.963  | 84   | 67812    | 5.161  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.992  | 67   | 21720m   | 5.326  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.246  | 98   | 56227    | 4.738  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.564  | 79   | 9893m    | 5.164  | ug/L   | 0.01     |
| 47) 2-Hexanone-d5             | 8.037  | 63   | 15570m   | 11.541 | ug/L   | 0.01     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153 | 84   | 32861    | 5.564  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152  | 24081    | 5.709  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.105  | 85   | 17667    | 4.870  | ug/L   | 98       |
| 3) Chloromethane              | 1.214  | 50   | 20108    | 5.408  | ug/L   | 99       |
| 5) Vinyl chloride             | 1.282  | 62   | 19484    | 4.966  | ug/L   | 96       |
| 6) Bromomethane               | 1.484  | 94   | 12507    | 5.346  | ug/L   | 99       |
| 8) Chloroethane               | 1.545  | 64   | 13265    | 7.277  | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.712  | 101  | 26928    | 5.077  | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066  | 101  | 17148    | 5.146  | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.066  | 96   | 15113    | 5.099  | ug/L   | 91       |
| 13) Acetone                   | 2.121  | 43   | 30451    | 12.458 | ug/L   | 94       |
| 14) Carbon disulfide          | 2.236  | 76   | 39090    | 4.809  | ug/L   | 99       |
| 15) Methyl Acetate            | 2.378  | 43   | 19141    | 5.026  | ug/L   | 96       |
| 16) Methylene chloride        | 2.445  | 84   | 19951    | 5.311  | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 2.693  | 96   | 15102    | 4.758  | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 2.703  | 73   | 48595    | 4.515  | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.111  | 63   | 33151    | 5.025  | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.818  | 96   | 17136    | 4.750  | ug/L   | 99       |
| 22) 2-Butanone                | 3.902  | 43   | 27366m   | 9.916  | ug/L   |          |
| 23) Bromochloromethane        | 4.153  | 128  | 10350    | 5.149  | ug/L   | 95       |
| 25) Chloroform                | 4.275  | 83   | 33218    | 4.866  | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 5.050  | 62   | 23148    | 4.644  | ug/L   | 95       |
| 29) Cyclohexane               | 4.574  | 56   | 18733    | 4.201  | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 4.510  | 97   | 27867    | 4.980  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.728  | 117  | 24442    | 5.000  | ug/L   | 98       |
| 33) Benzene                   | 5.011  | 78   | 63248    | 4.797  | ug/L   | 100      |
| 34) Trichloroethene           | 5.841  | 95   | 17104    | 4.820  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.047  | 83   | 21585    | 4.230  | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 16747    | 4.559  | ug/L # | 93       |
| 38) Bromodichloromethane      | 6.436  | 83   | 24842    | 5.000  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 6.960  | 75   | 22421    | 4.060  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 39807m   | 8.879  | ug/L   |          |
| 42) Toluene                   | 7.317  | 91   | 63055    | 4.582  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 7.590  | 75   | 22922    | 4.366  | ug/L   | 93       |

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 Response via : Initial Calibration

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|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 45) 1,1,2-Trichloroethane     | 7.770  | 97   | 19123    | 4.952 | ug/L   | 93       |
| 46) Tetrachloroethene         | 7.905  | 164  | 14682    | 5.264 | ug/L   | 97       |
| 48) 2-Hexanone                | 8.085  | 43   | 35702m   | 9.430 | ug/L   |          |
| 49) Dibromochloromethane      | 8.175  | 129  | 19320    | 4.884 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 8.288  | 107  | 19669    | 5.004 | ug/L # | 93       |
| 51) Chlorobenzene             | 8.815  | 112  | 47367    | 4.886 | ug/L   | 99       |
| 52) Ethylbenzene              | 8.947  | 91   | 63275    | 4.216 | ug/L   | 97       |
| 53) m,p-Xylene                | 9.075  | 106  | 22223    | 3.921 | ug/L   | 97       |
| 54) o-Xylene                  | 9.477  | 106  | 22606    | 4.056 | ug/L   | 96       |
| 55) Styrene                   | 9.500  | 104  | 35389    | 3.685 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 32676    | 5.149 | ug/L   | 100      |
| 59) Bromoform                 | 9.667  | 173  | 14256    | 4.998 | ug/L # | 97       |
| 60) Isopropylbenzene          | 9.866  | 105  | 58077    | 4.312 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 25519    | 5.717 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 44059    | 4.078 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 43017    | 4.059 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.120 | 146  | 33924    | 4.891 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 39292    | 5.387 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 36075    | 5.067 | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 7435     | 6.963 | ug/L   | 93       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 25765    | 5.156 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 22658    | 5.610 | ug/L   | 98       |
| 71) Naphthalene               | 13.439 | 128  | 67446m   | 7.210 | ug/L   |          |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 24622    | 6.191 | ug/L   | 99       |
| -----                         |        |      |          |       |        |          |

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

