

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112824\  
 Data File : VU062056.D  
 Acq On : 27 Nov 2024 15:50  
 Operator : MD/SY  
 Sample : VSTD01010  
 Misc : 5mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010010

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 12/02/2024  
 Supervised By :Semsettin Yesilyurt 12/02/2024

Quant Time: Nov 28 00:46:10 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112724WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Nov 28 00:45:07 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene        | 6.238  | 114  | 174056   | 50.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117  | 166130   | 50.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152  | 79541    | 50.000 | ug/L  | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65   | 12100    | 9.947  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.907  | 69   | 8941     | 8.633  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 63   | 22427    | 9.894  | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 4.634  | 46   | 16084    | 16.675 | ug/L  | 0.02     |
| 24) Chloroform-d              | 5.055  | 84   | 25512    | 9.922  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65   | 16378    | 10.003 | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.721  | 84   | 47030    | 9.037  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67   | 15133    | 9.501  | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.891  | 98   | 43405    | 8.979  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79   | 7135     | 8.932  | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 8.631  | 63   | 10751m   | 14.039 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84   | 21448    | 8.661  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.184 | 152  | 15679    | 9.180  | ug/L  | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.383  | 85   | 17002    | 13.031 | ug/L  | 99       |
| 3) Chloromethane              | 1.518  | 50   | 14094    | 11.898 | ug/L  | 98       |
| 5) Vinyl chloride             | 1.602  | 62   | 14493    | 11.552 | ug/L  | 96       |
| 6) Bromomethane               | 1.850  | 94   | 8060     | 9.187  | ug/L  | 95       |
| 8) Chloroethane               | 1.927  | 64   | 8238     | 10.213 | ug/L  | 94       |
| 9) Trichlorofluoromethane     | 2.132  | 101  | 21698    | 12.002 | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101  | 12116    | 11.603 | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.576  | 96   | 11134    | 11.421 | ug/L  | 92       |
| 13) Acetone                   | 2.624  | 43   | 21566    | 27.976 | ug/L  | 94       |
| 14) Carbon disulfide          | 2.788  | 76   | 32573    | 10.970 | ug/L  | 97       |
| 15) Methyl Acetate            | 2.949  | 43   | 12083    | 10.363 | ug/L  | 94       |
| 16) Methylene chloride        | 3.039  | 84   | 12362    | 10.357 | ug/L  | 99       |
| 17) trans-1,2-Dichloroethene  | 3.348  | 96   | 11076    | 10.480 | ug/L  | 92       |
| 18) Methyl tert-butyl Ether   | 3.354  | 73   | 37178    | 10.292 | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.859  | 63   | 21606    | 10.723 | ug/L  | 96       |
| 20) cis-1,2-Dichloroethene    | 4.660  | 96   | 12624    | 10.174 | ug/L  | 99       |
| 22) 2-Butanone                | 4.714  | 43   | 22077m   | 23.218 | ug/L  |          |
| 23) Bromochloromethane        | 4.968  | 128  | 6580     | 10.446 | ug/L  | 90       |
| 25) Chloroform                | 5.078  | 83   | 23969    | 11.063 | ug/L  | 96       |
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 19456    | 11.258 | ug/L  | 100      |
| 29) Cyclohexane               | 5.380  | 56   | 18189    | 10.139 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 5.309  | 97   | 20668    | 11.053 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 18593    | 11.423 | ug/L  | 99       |
| 33) Benzene                   | 5.766  | 78   | 48389    | 10.231 | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 13048    | 10.468 | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.756  | 83   | 19152    | 9.940  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 12528    | 9.980  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.097  | 83   | 17120    | 10.596 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 20227    | 10.090 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 30937    | 18.359 | ug/L  | 99       |
| 42) Toluene                   | 7.962  | 91   | 50540    | 9.830  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 17654    | 9.468  | ug/L  | 97       |

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 Quant Title : VOC Analysis  
 QLast Update : Thu Nov 28 00:45:07 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 45) 1,1,2-Trichloroethane     | 8.389  | 97   | 13167    | 10.463 | ug/L   | 98       |
| 46) Tetrachloroethene         | 8.544  | 164  | 9567     | 10.475 | ug/L   | 98       |
| 48) 2-Hexanone                | 8.679  | 43   | 25549    | 18.665 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.801  | 129  | 12989    | 10.325 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 14468    | 10.430 | ug/L # | 99       |
| 51) Chlorobenzene             | 9.438  | 112  | 32718    | 9.987  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.563  | 91   | 54212    | 9.710  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.688  | 106  | 19362    | 9.133  | ug/L   | 99       |
| 54) o-Xylene                  | 10.094 | 106  | 19657    | 9.412  | ug/L   | 95       |
| 55) Styrene                   | 10.110 | 104  | 31683    | 9.237  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 21761    | 10.057 | ug/L   | 94       |
| 59) Bromoform                 | 10.283 | 173  | 9633     | 10.384 | ug/L # | 98       |
| 60) 1,2,3-Trichloropropane    | 10.814 | 75   | 17113    | 10.354 | ug/L   | 98       |
| 61) Isopropylbenzene          | 10.476 | 105  | 51477    | 9.872  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 42863    | 10.030 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 39697    | 9.423  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 24078    | 10.247 | ug/L   | 92       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 25099    | 10.542 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 24559    | 10.467 | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 4453     | 10.073 | ug/L   | 84       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 15705    | 9.923  | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 13617    | 10.173 | ug/L   | 97       |
| 71) Naphthalene               | 14.084 | 128  | 31833m   | 7.591  | ug/L   |          |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 12563    | 9.556  | ug/L   | 97       |

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

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