

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW051022\  
 Data File : VW025856.D  
 Acq On : 10 May 2022 11:02  
 Operator : SY/MD  
 Sample : VSTD00513  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005213

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/18/2022  
 Supervised By : Mahesh Dadoda 05/18/2022

Quant Time: May 11 03:17:38 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM051022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 11 03:13:58 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114  | 323201   | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117  | 325221   | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152  | 158457   | 50.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.310  | 65   | 18980    | 4.550  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.571  | 69   | 16445    | 4.489  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.111  | 63   | 34057    | 4.668  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 3.928  | 46   | 13972m   | 7.758  | ug/L   | 0.04     |
| 24) Chloroform-d              | 4.358  | 84   | 25954    | 4.455  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.040  | 65   | 14942    | 4.244  | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.056  | 84   | 47429    | 4.183  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67   | 14970    | 4.299  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.320  | 98   | 40562    | 3.883  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.628  | 79   | 5672     | 3.649  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 8.098  | 63   | 8056     | 6.212  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.213 | 84   | 20154    | 4.340  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152  | 15127    | 4.352  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.133  | 85   | 17085    | 5.113  | ug/L   | 96       |
| 3) Chloromethane              | 1.243  | 50   | 22274    | 5.512  | ug/L   | 99       |
| 5) Vinyl chloride             | 1.314  | 62   | 21376    | 5.203  | ug/L   | 96       |
| 6) Bromomethane               | 1.526  | 94   | 13050    | 5.227  | ug/L   | 96       |
| 8) Chloroethane               | 1.587  | 64   | 15521    | 5.058  | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.754  | 101  | 29772    | 5.099  | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.121  | 101  | 16333    | 5.265  | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.121  | 96   | 15878    | 5.204  | ug/L   | 96       |
| 13) Acetone                   | 2.185  | 43   | 12905    | 10.577 | ug/L   | 65       |
| 14) Carbon disulfide          | 2.297  | 76   | 37016    | 4.905  | ug/L   | 99       |
| 15) Methyl Acetate            | 2.442  | 43   | 13663    | 5.227  | ug/L # | 73       |
| 16) Methylene chloride        | 2.513  | 84   | 15662    | 5.299  | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 2.764  | 96   | 12745    | 4.862  | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 2.773  | 73   | 35762    | 4.691  | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.191  | 63   | 24927    | 5.091  | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 3.921  | 96   | 13321    | 4.708  | ug/L   | 95       |
| 22) 2-Butanone                | 4.005  | 43   | 15170m   | 9.480  | ug/L   |          |
| 23) Bromochloromethane        | 4.256  | 128  | 7220     | 4.831  | ug/L   | 84       |
| 25) Chloroform                | 4.381  | 83   | 27038    | 5.211  | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 5.137  | 62   | 19770    | 5.040  | ug/L   | 96       |
| 29) Cyclohexane               | 4.680  | 56   | 17587    | 4.467  | ug/L # | 93       |
| 30) 1,1,1-Trichloroethane     | 4.609  | 97   | 22991    | 5.205  | ug/L   | 96       |
| 31) Carbon tetrachloride      | 4.831  | 117  | 19138    | 5.161  | ug/L   | 100      |
| 33) Benzene                   | 5.104  | 78   | 52368    | 4.782  | ug/L   | 100      |
| 34) Trichloroethene           | 5.918  | 95   | 14334    | 5.005  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.133  | 83   | 19014    | 4.432  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.178  | 63   | 12442    | 4.523  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.513  | 83   | 18500    | 4.973  | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 7.034  | 75   | 16048    | 4.091  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.230  | 43   | 28158    | 8.757  | ug/L   | 96       |
| 42) Toluene                   | 7.390  | 91   | 53982    | 4.595  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 7.657  | 75   | 15798    | 4.186  | ug/L   | 98       |

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 Data File : VV025856.D  
 Acq On : 10 May 2022 11:02  
 Operator : SY/MD  
 Sample : VSTD00513  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005213

Manual Integrations  
 APPROVED

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Quant Time: May 11 03:17:38 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM051022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 11 03:13:58 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 14300    | 5.116 | ug/L   | 95       |
| 46) Tetrachloroethene         | 7.979  | 164  | 10434    | 4.939 | ug/L   | 97       |
| 48) 2-Hexanone                | 8.146  | 43   | 19801    | 7.914 | ug/L   | 92       |
| 49) Dibromochloromethane      | 8.246  | 129  | 13262    | 4.810 | ug/L   | 92       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 14136    | 4.973 | ug/L # | 96       |
| 51) Chlorobenzene             | 8.882  | 112  | 36770    | 4.888 | ug/L   | 97       |
| 52) Ethylbenzene              | 9.014  | 91   | 52762    | 4.353 | ug/L   | 98       |
| 53) m,p-Xylene                | 9.140  | 106  | 19567    | 4.162 | ug/L   | 98       |
| 54) o-Xylene                  | 9.541  | 106  | 19383    | 4.197 | ug/L   | 99       |
| 55) Styrene                   | 9.564  | 104  | 32003    | 3.977 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 21252    | 5.096 | ug/L   | 95       |
| 59) Bromoform                 | 9.731  | 173  | 7627     | 4.990 | ug/L # | 97       |
| 60) Isopropylbenzene          | 9.931  | 105  | 47881    | 4.511 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 17688    | 5.640 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 24203    | 4.424 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.914 | 105  | 35174    | 4.144 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 25029    | 4.982 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 27496    | 5.222 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 26381    | 5.077 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 3415     | 4.713 | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 16673    | 4.806 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 13736    | 4.650 | ug/L   | 97       |
| 71) Naphthalene               | 13.503 | 128  | 36275    | 4.147 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 14154    | 4.702 | ug/L   | 97       |
| -----                         |        |      |          |       |        |          |

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

