

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW011922\  
 Data File : VW024402.D  
 Acq On : 19 Jan 2022 09:47  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050394

Quant Time: Jan 20 00:57:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM123121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jan 19 01:03:04 2022  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 5.613     | 114   | 267605   | 50.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 8.847     | 117   | 255456   | 50.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246    | 152   | 144103   | 50.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 1.307     | 65    | 105542   | 54.801   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 60 - 135 | Recovery | = 109.600% |          |
| 7) Chloroethane-d5            | 1.568     | 69    | 77954    | 53.282   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 130 | Recovery | = 106.560% |          |
| 11) 1,1-Dichloroethene-d2     | 2.108     | 63    | 186519   | 51.818   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 60 - 125 | Recovery | = 103.640% |          |
| 21) 2-Butanone-d5             | 3.880     | 46    | 101195   | 94.309   | ug/L       | 0.00     |
| Spiked Amount                 | 100.000   | Range | 40 - 130 | Recovery | = 94.310%  |          |
| 24) Chloroform-d              | 4.339     | 84    | 182297   | 51.790   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 103.580% |          |
| 26) 1,2-Dichloroethane-d4     | 5.024     | 65    | 116362   | 49.376   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 98.760%  |          |
| 32) Benzene-d6                | 5.043     | 84    | 346604   | 51.994   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 103.980% |          |
| 36) 1,2-Dichloropropane-d6    | 6.063     | 67    | 97817    | 52.357   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 120 | Recovery | = 104.720% |          |
| 41) Toluene-d8                | 7.310     | 98    | 344697   | 53.405   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 80 - 120 | Recovery | = 106.800% |          |
| 43) trans-1,3-Dichloroprop... | 7.616     | 79    | 54299    | 50.473   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 60 - 125 | Recovery | = 100.940% |          |
| 47) 2-Hexanone-d5             | 8.085     | 63    | 77342    | 95.286   | ug/L       | 0.00     |
| Spiked Amount                 | 100.000   | Range | 45 - 130 | Recovery | = 95.290%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.210    | 84    | 126030   | 47.204   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 65 - 120 | Recovery | = 94.400%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.622    | 152   | 144919   | 50.453   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 80 - 120 | Recovery | = 100.900% |          |
| Target Compounds              |           |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.130     | 85    | 128761   | 59.641   | ug/L       | 98       |
| 3) Chloromethane              | 1.243     | 50    | 102757   | 56.652   | ug/L       | 99       |
| 5) Vinyl chloride             | 1.314     | 62    | 106773   | 55.634   | ug/L       | 96       |
| 6) Bromomethane               | 1.523     | 94    | 67210    | 61.456   | ug/L       | 98       |
| 8) Chloroethane               | 1.587     | 64    | 59295    | 50.054   | ug/L       | 98       |
| 9) Trichlorofluoromethane     | 1.754     | 101   | 170361   | 49.383   | ug/L       | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.118     | 101   | 89236    | 52.929   | ug/L       | 99       |
| 12) 1,1-Dichloroethene        | 2.118     | 96    | 83031    | 50.938   | ug/L       | 84       |
| 13) Acetone                   | 2.179     | 43    | 132456   | 125.027  | ug/L       | 99       |
| 14) Carbon disulfide          | 2.294     | 76    | 234095   | 49.462   | ug/L       | 98       |
| 15) Methyl Acetate            | 2.429     | 43    | 71913    | 46.670   | ug/L       | 98       |
| 16) Methylene chloride        | 2.507     | 84    | 86161    | 48.539   | ug/L       | 96       |
| 17) trans-1,2-Dichloroethene  | 2.757     | 96    | 84325    | 50.203   | ug/L       | 98       |
| 18) Methyl tert-butyl Ether   | 2.764     | 73    | 265096   | 51.209   | ug/L       | 100      |
| 19) 1,1-Dichloroethane        | 3.185     | 63    | 138213   | 49.610   | ug/L       | 99       |
| 20) cis-1,2-Dichloroethene    | 3.905     | 96    | 89518    | 49.902   | ug/L       | 98       |
| 22) 2-Butanone                | 3.963     | 43    | 126651   | 112.542  | ug/L       | 92       |
| 23) Bromochloromethane        | 4.243     | 128   | 50805    | 49.152   | ug/L       | 92       |
| 25) Chloroform                | 4.368     | 83    | 160786   | 49.361   | ug/L       | 99       |

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 ALS Vial : 2 Sample Multiplier: 1

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 ClientSampleId :  
 VSTD050394

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 Quant Title : VOC Analysis  
 QLast Update : Wed Jan 19 01:03:04 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.124  | 62   | 127564   | 48.148  | ug/L  | 99       |
| 29) Cyclohexane               | 4.670  | 56   | 126211   | 55.270  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.603  | 97   | 152532   | 48.528  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.822  | 117  | 144360   | 49.506  | ug/L  | 99       |
| 33) Benzene                   | 5.095  | 78   | 330398   | 50.865  | ug/L  | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 95033    | 53.054  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.127  | 83   | 143754   | 54.114  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.166  | 63   | 78727    | 51.529  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.503  | 83   | 120997   | 50.468  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.021  | 75   | 136304   | 53.073  | ug/L  | 96       |
| 40) 4-Methyl-2-pentanone      | 7.220  | 43   | 199008   | 99.891  | ug/L  | 99       |
| 42) Toluene                   | 7.384  | 91   | 379941   | 52.108  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.645  | 75   | 133149   | 51.108  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 85192    | 49.740  | ug/L  | 97       |
| 46) Tetrachloroethene         | 7.973  | 164  | 83546    | 51.244  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.133  | 43   | 180048   | 112.518 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.243  | 129  | 104498   | 48.673  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 90759    | 49.335  | ug/L  | 98       |
| 51) Chlorobenzene             | 8.876  | 112  | 250317   | 50.969  | ug/L  | 100      |
| 52) Ethylbenzene              | 9.008  | 91   | 410600   | 52.711  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.133  | 106  | 162939   | 52.185  | ug/L  | 99       |
| 54) o-Xylene                  | 9.538  | 106  | 158236   | 53.090  | ug/L  | 99       |
| 55) Styrene                   | 9.558  | 104  | 273535   | 52.847  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 113308   | 45.305  | ug/L  | 98       |
| 59) Bromoform                 | 9.728  | 173  | 77265    | 47.022  | ug/L  | 97       |
| 60) Isopropylbenzene          | 9.928  | 105  | 427501   | 53.612  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.268 | 75   | 98915    | 46.746  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.535 | 105  | 363143   | 52.943  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 369450   | 53.952  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 213437   | 51.913  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.268 | 146  | 217493   | 51.295  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 209712   | 49.491  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 25943    | 42.569  | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 163131   | 51.583  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 137837   | 50.963  | ug/L  | 98       |
| 71) Naphthalene               | 13.500 | 128  | 375460   | 47.982  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 137326   | 49.127  | ug/L  | 99       |

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

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