

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061824\  
 Data File : VU059314.D  
 Acq On : 18 Jun 2024 15:58  
 Operator : MD/SY  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050185

Quant Time: Jun 19 04:41:59 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM052924WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 19 03:23:30 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242   | 114   | 191587   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412   | 117   | 194499   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807  | 152   | 104166   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596   | 65    | 52373    | 45.656   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 91.320%  |
| 7) Chloroethane-d5            | 1.908   | 69    | 49242    | 50.112   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 100.220% |
| 11) 1,1-Dichloroethene-d2     | 2.563   | 63    | 103982   | 45.923   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 91.840%  |
| 21) 2-Butanone-d5             | 4.612   | 46    | 87855    | 81.255   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 81.250%  |
| 24) Chloroform-d              | 5.055   | 84    | 111101   | 48.652   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.300%  |
| 26) 1,2-Dichloroethane-d4     | 5.695   | 65    | 66195    | 47.294   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.580%  |
| 32) Benzene-d6                | 5.721   | 84    | 215199   | 48.207   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.420%  |
| 36) 1,2-Dichloropropane-d6    | 6.682   | 67    | 67167    | 43.638   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 87.280%  |
| 41) Toluene-d8                | 7.891   | 98    | 197836   | 52.205   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 104.420% |
| 43) trans-1,3-Dichloroprop... | 8.174   | 79    | 28293    | 45.475   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 90.940%  |
| 47) 2-Hexanone-d5             | 8.627   | 63    | 57950    | 81.417   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 81.420%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750  | 84    | 106407   | 40.848   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 81.700%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187  | 152   | 74884    | 48.172   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.340%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380   | 85    | 87102    | 44.870   | ug/L   | 99       |
| 3) Chloromethane              | 1.518   | 50    | 94920    | 42.309   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.599   | 62    | 103074   | 46.756   | ug/L   | 99       |
| 6) Bromomethane               | 1.850   | 94    | 65968    | 37.404   | ug/L   | 98       |
| 8) Chloroethane               | 1.927   | 64    | 64668    | 47.041   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.133   | 101   | 127266   | 49.610   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573   | 101   | 77529    | 51.944   | ug/L   | 92       |
| 12) 1,1-Dichloroethene        | 2.573   | 96    | 71149    | 52.557   | ug/L   | 85       |
| 13) Acetone                   | 2.615   | 43    | 86753    | 68.262   | ug/L   | 100      |
| 14) Carbon disulfide          | 2.785   | 76    | 207069   | 45.418   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.940   | 43    | 95181    | 47.281   | ug/L   | 97       |
| 16) Methylene chloride        | 3.036   | 84    | 89514    | 48.869   | ug/L   | 90       |
| 17) trans-1,2-Dichloroethene  | 3.345   | 96    | 75406    | 51.608   | ug/L   | 90       |
| 18) Methyl tert-butyl Ether   | 3.354   | 73    | 229678   | 48.392   | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.859   | 63    | 147643   | 47.141   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 4.660   | 96    | 86063    | 51.689   | ug/L   | 87       |
| 22) 2-Butanone                | 4.692   | 43    | 136481   | 88.703   | ug/L   | 96       |
| 23) Bromochloromethane        | 4.965   | 128   | 48008    | 56.923   | ug/L   | 83       |
| 25) Chloroform                | 5.081   | 83    | 155084   | 51.139   | ug/L   | 97       |

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 Sample : VSTDCCC050  
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 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VSTD050185

Quant Time: Jun 19 04:41:59 2024  
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 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 19 03:23:30 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 120596   | 47.073 | ug/L # | 94       |
| 29) Cyclohexane               | 5.380  | 56   | 109383   | 42.124 | ug/L   | 92       |
| 30) 1,1,1-Trichloroethane     | 5.309  | 97   | 123265   | 48.743 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 101947   | 49.631 | ug/L   | 99       |
| 33) Benzene                   | 5.766  | 78   | 339201   | 48.297 | ug/L   | 100      |
| 34) Trichloroethene           | 6.538  | 95   | 87731    | 51.015 | ug/L   | 89       |
| 35) Methylcyclohexane         | 6.759  | 83   | 120516   | 47.663 | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 91511    | 45.886 | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.100  | 83   | 113357   | 48.797 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 125571   | 45.508 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 246418   | 94.249 | ug/L # | 96       |
| 42) Toluene                   | 7.965  | 91   | 367674   | 52.154 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 114104   | 45.677 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 91633    | 51.103 | ug/L   | 99       |
| 46) Tetrachloroethene         | 8.547  | 164  | 67290    | 58.745 | ug/L   | 93       |
| 48) 2-Hexanone                | 8.676  | 43   | 203358   | 92.222 | ug/L # | 98       |
| 49) Dibromochloromethane      | 8.804  | 129  | 87636    | 54.080 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 95344    | 51.547 | ug/L   | 98       |
| 51) Chlorobenzene             | 9.441  | 112  | 226800   | 53.303 | ug/L   | 96       |
| 52) Ethylbenzene              | 9.566  | 91   | 374146   | 51.479 | ug/L   | 98       |
| 53) m,p-Xylene                | 9.689  | 106  | 143842   | 53.851 | ug/L   | 96       |
| 54) o-Xylene                  | 10.097 | 106  | 140130   | 54.132 | ug/L   | 94       |
| 55) Styrene                   | 10.110 | 104  | 247675   | 56.287 | ug/L   | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 156581   | 47.937 | ug/L   | 97       |
| 59) Bromoform                 | 10.287 | 173  | 70447    | 51.580 | ug/L   | 99       |
| 60) 1,2,3-Trichloropropane    | 10.817 | 75   | 125193   | 43.219 | ug/L   | 99       |
| 61) Isopropylbenzene          | 10.480 | 105  | 362951   | 49.527 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 257554   | 48.506 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 283925   | 49.328 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 178786   | 52.199 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 182109   | 51.482 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 178983   | 49.997 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 34221    | 46.599 | ug/L # | 80       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 119579   | 52.864 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 99362    | 54.997 | ug/L   | 99       |
| 71) Naphthalene               | 14.084 | 128  | 348271   | 60.901 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 107105   | 58.312 | ug/L   | 98       |

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

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