

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV032724\  
 Data File : VV034876.D  
 Acq On : 27 Mar 2024 19:40  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 28 01:59:28 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 28 01:53:40 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.532   | 114   | 344968   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783   | 117   | 335950   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185  | 152   | 177972   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 100807   | 30.258   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 60.520%  |
| 7) Chloroethane-d5            | 1.529   | 69    | 104377   | 36.071   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 72.140%  |
| 11) 1,1-Dichloroethene-d2     | 2.059   | 65    | 47221    | 32.335   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 64.660%  |
| 21) 2-Butanone-d5             | 3.786   | 46    | 189683   | 96.000   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 96.000%  |
| 24) Chloroform-d              | 4.249   | 84    | 232378   | 41.486   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 82.980%  |
| 26) 1,2-Dichloroethane-d4     | 4.940   | 65    | 145177   | 40.823   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 81.640%  |
| 32) Benzene-d6                | 4.960   | 84    | 415518   | 36.821   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 73.640%  |
| 36) 1,2-Dichloropropane-d6    | 5.989   | 67    | 141986   | 39.623   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 79.240%  |
| 41) Toluene-d8                | 7.243   | 98    | 371211   | 36.526   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 73.060%# |
| 43) trans-1,3-Dichloroprop... | 7.551   | 79    | 68237    | 39.170   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 78.340%  |
| 47) 2-Hexanone-d5             | 8.024   | 63    | 133039   | 98.195   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 98.200%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149  | 84    | 229623   | 46.532   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 93.060%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.561  | 152   | 153492   | 38.413   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 76.820%# |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108   | 85    | 120743   | 48.293   | ug/L   | 100      |
| 3) Chloromethane              | 1.214   | 50    | 141748   | 44.100   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.285   | 62    | 156238   | 46.366   | ug/L   | 98       |
| 6) Bromomethane               | 1.487   | 94    | 126661   | 50.146   | ug/L   | 100      |
| 8) Chloroethane               | 1.548   | 64    | 110927   | 48.201   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.712   | 101   | 223140   | 50.454   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069   | 101   | 136658   | 50.483   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.069   | 96    | 128496   | 49.632   | ug/L   | 82       |
| 13) Acetone                   | 2.117   | 43    | 141625   | 78.073   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.240   | 76    | 314992   | 43.204   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.375   | 43    | 134945   | 47.207   | ug/L   | 96       |
| 16) Methylene chloride        | 2.445   | 84    | 138506   | 49.373   | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 2.693   | 96    | 120293   | 48.058   | ug/L   | 100      |
| 18) Methyl tert-butyl Ether   | 2.703   | 73    | 432415   | 49.183   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.111   | 63    | 252211   | 49.135   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.815   | 96    | 142146   | 50.010   | ug/L   | 96       |
| 22) 2-Butanone                | 3.866   | 43    | 181357   | 86.157   | ug/L   | 96       |
| 23) Bromochloromethane        | 4.146   | 128   | 73468    | 51.662   | ug/L   | 92       |
| 25) Chloroform                | 4.275   | 83    | 257100   | 50.661   | ug/L   | 99       |

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 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 28 01:53:40 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.040  | 62   | 202366   | 50.083 | ug/L  | 99       |
| 29) Cyclohexane               | 4.583  | 56   | 190288   | 45.224 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 4.510  | 97   | 218323   | 49.856 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.735  | 117  | 184203   | 49.628 | ug/L  | 100      |
| 33) Benzene                   | 5.008  | 78   | 528471   | 48.241 | ug/L  | 100      |
| 34) Trichloroethene           | 5.831  | 95   | 139236   | 47.096 | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.050  | 83   | 210877   | 47.229 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.091  | 63   | 148824   | 49.159 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.432  | 83   | 192683   | 49.329 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 230940   | 48.424 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.156  | 43   | 380109   | 98.339 | ug/L  | 99       |
| 42) Toluene                   | 7.313  | 91   | 570079   | 49.706 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 7.580  | 75   | 214057   | 48.855 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 144388   | 50.601 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.905  | 164  | 103205   | 49.966 | ug/L  | 98       |
| 48) 2-Hexanone                | 8.072  | 43   | 293155   | 89.174 | ug/L  | 95       |
| 49) Dibromochloromethane      | 8.175  | 129  | 142845   | 50.544 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 154377   | 50.252 | ug/L  | 98       |
| 51) Chlorobenzene             | 8.812  | 112  | 370194   | 49.802 | ug/L  | 100      |
| 52) Ethylbenzene              | 8.943  | 91   | 636388   | 50.066 | ug/L  | 100      |
| 53) m,p-Xylene                | 9.072  | 106  | 235508   | 50.312 | ug/L  | 99       |
| 54) o-Xylene                  | 9.477  | 106  | 235527   | 50.853 | ug/L  | 99       |
| 55) Styrene                   | 9.493  | 104  | 406310   | 51.913 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 239439   | 51.790 | ug/L  | 98       |
| 59) Bromoform                 | 9.664  | 173  | 99888    | 48.976 | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.866  | 105  | 630132   | 49.113 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 186786   | 48.433 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 414639   | 49.761 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 511206   | 49.621 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 290851   | 48.509 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 301103   | 49.383 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 293215   | 49.091 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 52257    | 49.184 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 210931   | 48.813 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 198714   | 50.062 | ug/L  | 100      |
| 71) Naphthalene               | 13.438 | 128  | 608212   | 55.229 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 207026   | 52.912 | ug/L  | 99       |

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

