

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW041824\  
 Data File : VW035294.D  
 Acq On : 18 Apr 2024 20:20  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050329

Quant Time: Apr 19 01:44:42 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM032624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 10 04:53:36 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.535   | 114   | 325020   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783   | 117   | 318077   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.184  | 152   | 164372   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 135617   | 43.205   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 86.420%  |
| 7) Chloroethane-d5            | 1.522   | 69    | 104532   | 38.342   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 76.680%  |
| 11) 1,1-Dichloroethene-d2     | 2.056   | 65    | 59204    | 43.028   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 86.060%  |
| 21) 2-Butanone-d5             | 3.789   | 46    | 191688   | 102.969  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 102.970% |
| 24) Chloroform-d              | 4.249   | 84    | 285186   | 54.038   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 108.080% |
| 26) 1,2-Dichloroethane-d4     | 4.940   | 65    | 173842   | 51.883   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 103.760% |
| 32) Benzene-d6                | 4.960   | 84    | 550441   | 51.518   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 103.040% |
| 36) 1,2-Dichloropropane-d6    | 5.989   | 67    | 177818   | 52.410   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 104.820% |
| 41) Toluene-d8                | 7.243   | 98    | 500481   | 52.013   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 104.020% |
| 43) trans-1,3-Dichloroprop... | 7.551   | 79    | 78722    | 47.728   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 95.460%  |
| 47) 2-Hexanone-d5             | 8.024   | 63    | 135158   | 105.365  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 105.360% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149  | 84    | 253187   | 54.191   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 108.380% |
| 66) 1,2-Dichlorobenzene-d4    | 11.557  | 152   | 186850   | 50.630   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 101.260% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108   | 85    | 95916    | 40.717   | ug/L   | 99       |
| 3) Chloromethane              | 1.214   | 50    | 123087   | 40.644   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.285   | 62    | 130177   | 41.003   | ug/L   | 99       |
| 6) Bromomethane               | 1.481   | 94    | 56284    | 23.651   | ug/L   | 98       |
| 8) Chloroethane               | 1.539   | 64    | 92755    | 42.778   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.709   | 101   | 186431   | 44.741   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066   | 101   | 120639   | 47.301   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.066   | 96    | 104918   | 43.012   | ug/L   | 99       |
| 13) Acetone                   | 2.117   | 43    | 131804   | 77.119   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.236   | 76    | 267745   | 38.977   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.375   | 43    | 156117   | 57.965   | ug/L   | 100      |
| 16) Methylene chloride        | 2.445   | 84    | 146858   | 55.564   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.693   | 96    | 120989   | 51.303   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 2.703   | 73    | 463922   | 56.006   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.111   | 63    | 272844   | 56.417   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.812   | 96    | 148055   | 55.286   | ug/L   | 97       |
| 22) 2-Butanone                | 3.870   | 43    | 180759   | 91.144   | ug/L   | 97       |
| 23) Bromochloromethane        | 4.146   | 128   | 80574    | 60.136   | ug/L   | 92       |
| 25) Chloroform                | 4.275   | 83    | 278181   | 58.179   | ug/L   | 100      |

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 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 10 04:53:36 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.040  | 62   | 215724   | 56.666  | ug/L  | 97       |
| 29) Cyclohexane               | 4.580  | 56   | 182250   | 45.747  | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 4.510  | 97   | 225999   | 54.508  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.735  | 117  | 192279   | 54.715  | ug/L  | 99       |
| 33) Benzene                   | 5.008  | 78   | 557786   | 53.778  | ug/L  | 100      |
| 34) Trichloroethene           | 5.831  | 95   | 141002   | 50.373  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.050  | 83   | 200448   | 47.416  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.091  | 63   | 163979   | 57.208  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.432  | 83   | 211500   | 57.189  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 229195   | 50.759  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.156  | 43   | 402957   | 110.108 | ug/L  | 100      |
| 42) Toluene                   | 7.313  | 91   | 592877   | 54.599  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.580  | 75   | 223018   | 53.760  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 162872   | 60.286  | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.905  | 164  | 107713   | 55.079  | ug/L  | 96       |
| 48) 2-Hexanone                | 8.075  | 43   | 306041   | 98.324  | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.175  | 129  | 159383   | 59.565  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 163428   | 56.187  | ug/L  | 98       |
| 51) Chlorobenzene             | 8.812  | 112  | 415737   | 59.072  | ug/L  | 100      |
| 52) Ethylbenzene              | 8.943  | 91   | 635952   | 52.843  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.072  | 106  | 237708   | 53.635  | ug/L  | 99       |
| 54) o-Xylene                  | 9.477  | 106  | 241046   | 54.969  | ug/L  | 99       |
| 55) Styrene                   | 9.493  | 104  | 423612   | 57.164  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 270181   | 61.723  | ug/L  | 99       |
| 59) Bromoform                 | 9.664  | 173  | 115884   | 61.521  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.866  | 105  | 644820   | 54.416  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 200643   | 56.331  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 409809   | 53.250  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 514099   | 54.030  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 304260   | 54.944  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 322423   | 57.254  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 347672   | 63.024  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 48889    | 49.821  | ug/L  | 92       |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 211213   | 52.922  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.194 | 180  | 191785   | 52.314  | ug/L  | 99       |
| 71) Naphthalene               | 13.435 | 128  | 410302   | 40.340  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.676 | 180  | 186747   | 51.678  | ug/L  | 99       |

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

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