

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV082624\  
 Data File : VV037020.D  
 Acq On : 26 Aug 2024 12:28  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.00mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VICV272

Quant Time: Aug 27 01:50:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 27 01:44:46 2024  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|-----------|-------|----------|---------|----------|----------|
| -----                         |           |       |          |         |          |          |
| Internal Standards            |           |       |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 5.529     | 114   | 621878   | 50.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.780     | 117   | 599571   | 50.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178    | 152   | 308855   | 50.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |           |       |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.278     | 65    | 303841   | 53.411  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60  | - 135 | Recovery | =       | 106.820% |          |
| 7) Chloroethane-d5            | 1.532     | 69    | 232002   | 52.769  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 130 | Recovery | =       | 105.540% |          |
| 11) 1,1-Dichloroethene-d2     | 2.056     | 65    | 127097   | 53.157  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60  | - 125 | Recovery | =       | 106.320% |          |
| 21) 2-Butanone-d5             | 3.793     | 46    | 256051   | 116.231 | ug/L     | 0.00     |
| Spiked Amount 100.000         | Range 40  | - 130 | Recovery | =       | 116.230% |          |
| 24) Chloroform-d              | 4.243     | 84    | 488933   | 54.916  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | =       | 109.840% |          |
| 26) 1,2-Dichloroethane-d4     | 4.937     | 65    | 309563   | 55.212  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | =       | 110.420% |          |
| 32) Benzene-d6                | 4.953     | 84    | 988651   | 54.593  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | =       | 109.180% |          |
| 36) 1,2-Dichloropropane-d6    | 5.986     | 67    | 313486   | 55.268  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 120 | Recovery | =       | 110.540% |          |
| 41) Toluene-d8                | 7.240     | 98    | 894290   | 54.717  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 80  | - 120 | Recovery | =       | 109.440% |          |
| 43) trans-1,3-Dichloroprop... | 7.548     | 79    | 143966   | 54.862  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60  | - 125 | Recovery | =       | 109.720% |          |
| 47) 2-Hexanone-d5             | 8.024     | 63    | 178027   | 115.003 | ug/L     | 0.00     |
| Spiked Amount 100.000         | Range 45  | - 130 | Recovery | =       | 115.000% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146    | 84    | 383310   | 55.720  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 65  | - 120 | Recovery | =       | 111.440% |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.554    | 152   | 326628   | 52.803  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 80  | - 120 | Recovery | =       | 105.600% |          |
| Target Compounds              |           |       |          |         |          |          |
|                               |           |       |          |         |          | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.108     | 85    | 292256   | 55.613  | ug/L     | 100      |
| 3) Chloromethane              | 1.217     | 50    | 321381   | 54.379  | ug/L     | 99       |
| 5) Vinyl chloride             | 1.282     | 62    | 308485   | 55.601  | ug/L     | 100      |
| 6) Bromomethane               | 1.487     | 94    | 176764   | 56.859  | ug/L     | 97       |
| 8) Chloroethane               | 1.548     | 64    | 188003   | 55.399  | ug/L     | 99       |
| 9) Trichlorofluoromethane     | 1.712     | 101   | 403995   | 55.798  | ug/L     | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066     | 101   | 241247   | 56.021  | ug/L     | 100      |
| 12) 1,1-Dichloroethene        | 2.069     | 96    | 224797   | 55.407  | ug/L     | 99       |
| 13) Acetone                   | 2.111     | 43    | 253930   | 107.478 | ug/L     | 100      |
| 14) Carbon disulfide          | 2.236     | 76    | 674389   | 54.754  | ug/L     | 99       |
| 15) Methyl Acetate            | 2.372     | 43    | 233342   | 58.911  | ug/L     | 99       |
| 16) Methylene chloride        | 2.442     | 84    | 252387   | 55.135  | ug/L     | 98       |
| 17) trans-1,2-Dichloroethene  | 2.690     | 96    | 237243   | 56.327  | ug/L     | 96       |
| 18) Methyl tert-butyl Ether   | 2.706     | 73    | 752162   | 56.770  | ug/L     | 99       |
| 19) 1,1-Dichloroethane        | 3.105     | 63    | 466671   | 55.792  | ug/L     | 99       |
| 20) cis-1,2-Dichloroethene    | 3.809     | 96    | 261504   | 56.188  | ug/L     | 99       |
| 22) 2-Butanone                | 3.876     | 43    | 294156   | 113.082 | ug/L     | 99       |
| 23) Bromochloromethane        | 4.140     | 128   | 130010   | 56.906  | ug/L     | 99       |
| 25) Chloroform                | 4.272     | 83    | 465363   | 54.936  | ug/L     | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 349159   | 56.190  | ug/L  | 98       |
| 29) Cyclohexane               | 4.571  | 56   | 393313   | 55.792  | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 4.503  | 97   | 383149   | 55.538  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.728  | 117  | 327493   | 56.257  | ug/L  | 99       |
| 33) Benzene                   | 5.005  | 78   | 988871   | 57.150  | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 255133   | 55.864  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.043  | 83   | 422507   | 56.940  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.088  | 63   | 255254   | 55.026  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.429  | 83   | 334368   | 56.238  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 417076   | 56.974  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.156  | 43   | 558533   | 118.433 | ug/L  | 99       |
| 42) Toluene                   | 7.310  | 91   | 1035847  | 57.497  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 372150   | 56.875  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.764  | 97   | 243315   | 56.346  | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.899  | 164  | 183509   | 56.001  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.072  | 43   | 420911   | 115.404 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.172  | 129  | 240632   | 55.651  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 249050   | 56.995  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.809  | 112  | 665095   | 55.764  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.940  | 91   | 1167616  | 57.378  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.069  | 106  | 436513   | 57.895  | ug/L  | 98       |
| 54) o-Xylene                  | 9.474  | 106  | 421163   | 57.051  | ug/L  | 98       |
| 55) Styrene                   | 9.490  | 104  | 748087   | 58.401  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.172 | 83   | 364428   | 56.982  | ug/L  | 100      |
| 59) Bromoform                 | 9.661  | 173  | 160564   | 55.829  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.860  | 105  | 1142716  | 57.071  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 274959   | 57.228  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.471 | 105  | 935812   | 57.125  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.847 | 105  | 945909   | 57.860  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.111 | 146  | 512488   | 55.429  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.204 | 146  | 529302   | 55.934  | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 11.574 | 146  | 508991   | 55.988  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.358 | 75   | 67518    | 56.350  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.577 | 180  | 362089   | 56.283  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.191 | 180  | 338112   | 55.814  | ug/L  | 100      |
| 71) Naphthalene               | 13.432 | 128  | 1045776  | 59.784  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 335965   | 56.277  | ug/L  | 99       |

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

