

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060823\  
 Data File : VX036093.D  
 Acq On : 09 Jun 2023 00:05  
 Operator : JC/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD050691

Quant Time: Jun 09 02:26:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML060623WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 07 05:37:48 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.763   | 114   | 322448   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 299590   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.018  | 152   | 150734   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 100009   | 45.650   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 91.300%  |
| 7) Chloroethane-d5            | 1.672   | 69    | 83050    | 49.430   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 98.860%  |
| 11) 1,1-Dichloroethene-d2     | 2.306   | 65    | 52353    | 47.133   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 94.260%  |
| 21) 2-Butanone-d5             | 4.471   | 46    | 176661   | 98.380   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 98.380%  |
| 24) Chloroform-d              | 5.056   | 84    | 222591   | 48.725   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.460%  |
| 26) 1,2-Dichloroethane-d4     | 5.952   | 65    | 165071   | 49.520   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 99.040%  |
| 32) Benzene-d6                | 5.970   | 84    | 430852   | 47.807   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.620%  |
| 36) 1,2-Dichloropropane-d6    | 7.306   | 67    | 137856   | 49.212   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 98.420%  |
| 41) Toluene-d8                | 8.647   | 98    | 398914   | 48.092   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.180%  |
| 43) trans-1,3-Dichloroprop... | 8.952   | 79    | 63801    | 47.448   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 94.900%  |
| 47) 2-Hexanone-d5             | 9.384   | 63    | 127236   | 102.004  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 102.000% |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 189999   | 49.657   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 99.320%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.317  | 152   | 142599   | 48.727   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 97.460%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166   | 85    | 141740   | 46.156   | ug/L   | 99       |
| 3) Chloromethane              | 1.294   | 50    | 129083   | 44.613   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.374   | 62    | 128834   | 48.039   | ug/L   | 99       |
| 6) Bromomethane               | 1.618   | 94    | 75209    | 48.135   | ug/L   | 100      |
| 8) Chloroethane               | 1.691   | 64    | 78955    | 49.631   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.892   | 101   | 183838   | 48.734   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.331   | 101   | 114860   | 46.651   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.319   | 96    | 104624   | 48.828   | ug/L   | 97       |
| 13) Acetone                   | 2.410   | 43    | 117859   | 62.120   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.514   | 76    | 271545   | 46.180   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.709   | 43    | 135783   | 46.256   | ug/L   | 99       |
| 16) Methylene chloride        | 2.788   | 84    | 118574   | 48.193   | ug/L   | 100      |
| 17) trans-1,2-Dichloroethene  | 3.093   | 96    | 107283   | 46.734   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 3.111   | 73    | 392447   | 48.048   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.611   | 63    | 220842   | 48.253   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.489   | 96    | 123639   | 46.940   | ug/L   | 98       |
| 22) 2-Butanone                | 4.580   | 43    | 190249   | 83.956   | ug/L   | 100      |
| 23) Bromochloromethane        | 4.897   | 128   | 60714    | 46.442   | ug/L   | 94       |
| 25) Chloroform                | 5.093   | 83    | 244334   | 49.077   | ug/L   | 99       |

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 ALS Vial : 27 Sample Multiplier: 1

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 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 07 05:37:48 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 6.086  | 62   | 206807   | 48.684 | ug/L  | 100      |
| 29) Cyclohexane               | 5.471  | 56   | 194866   | 46.830 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 5.385  | 97   | 199332   | 48.012 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.678  | 117  | 166438   | 48.273 | ug/L  | 99       |
| 33) Benzene                   | 6.038  | 78   | 469521   | 47.041 | ug/L  | 100      |
| 34) Trichloroethene           | 7.123  | 95   | 124918   | 46.469 | ug/L  | 96       |
| 35) Methylcyclohexane         | 7.379  | 83   | 182300   | 46.195 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 7.428  | 63   | 127322   | 48.604 | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.818  | 83   | 162999   | 48.264 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 194466   | 47.513 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 375765   | 95.245 | ug/L  | 100      |
| 42) Toluene                   | 8.720  | 91   | 497712   | 47.945 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 185023   | 48.276 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 122176   | 47.654 | ug/L  | 98       |
| 46) Tetrachloroethene         | 9.275  | 164  | 87410    | 46.498 | ug/L  | 97       |
| 48) 2-Hexanone                | 9.433  | 43   | 283129   | 90.949 | ug/L  | 99       |
| 49) Dibromochloromethane      | 9.519  | 129  | 116535   | 47.907 | ug/L  | 92       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 128375   | 47.388 | ug/L  | 98       |
| 51) Chlorobenzene             | 10.079 | 112  | 317896   | 46.546 | ug/L  | 99       |
| 52) Ethylbenzene              | 10.195 | 91   | 573677   | 47.982 | ug/L  | 99       |
| 53) m,p-Xylene                | 10.299 | 106  | 217921   | 48.061 | ug/L  | 96       |
| 54) o-Xylene                  | 10.640 | 106  | 212008   | 47.837 | ug/L  | 100      |
| 55) Styrene                   | 10.653 | 104  | 363262   | 48.228 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 192409   | 47.747 | ug/L  | 99       |
| 59) Bromoform                 | 10.799 | 173  | 76290    | 48.409 | ug/L  | 100      |
| 60) Isopropylbenzene          | 10.963 | 105  | 566207   | 49.068 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 153484   | 47.614 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 476981   | 49.698 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 437772   | 49.291 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 237630   | 47.555 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 12.043 | 146  | 240409   | 47.035 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 235239   | 48.191 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.945 | 75   | 38896    | 47.779 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 142220   | 46.500 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 130361   | 46.660 | ug/L  | 97       |
| 71) Naphthalene               | 13.774 | 128  | 454676   | 49.482 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 129882   | 46.752 | ug/L  | 99       |

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

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