

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX120524\  
 Data File : VX044144.D  
 Acq On : 05 Dec 2024 13:48  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VICV654

Quant Time: Dec 06 04:08:51 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML120524WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 06 03:51:43 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.757   | 114   | 226526   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.049  | 117   | 198969   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 91928    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 97958    | 47.255   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 94.500%  |
| 7) Chloroethane-d5            | 1.648   | 69    | 81887    | 50.994   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 101.980% |
| 11) 1,1-Dichloroethene-d2     | 2.294   | 65    | 41384    | 46.680   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 93.360%  |
| 21) 2-Butanone-d5             | 4.459   | 46    | 130423   | 102.761  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 102.760% |
| 24) Chloroform-d              | 5.050   | 84    | 189903   | 48.248   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.500%  |
| 26) 1,2-Dichloroethane-d4     | 5.946   | 65    | 125752   | 45.179   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 90.360%  |
| 32) Benzene-d6                | 5.964   | 84    | 325032   | 47.278   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.560%  |
| 36) 1,2-Dichloropropane-d6    | 7.299   | 67    | 101082   | 47.351   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 94.700%  |
| 41) Toluene-d8                | 8.647   | 98    | 294569   | 46.339   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 92.680%  |
| 43) trans-1,3-Dichloroprop... | 8.946   | 79    | 50731    | 49.452   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 98.900%  |
| 47) 2-Hexanone-d5             | 9.384   | 63    | 87850    | 105.544  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 105.540% |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 140560   | 49.105   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 98.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.317  | 152   | 99754    | 46.573   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.140%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166   | 85    | 96717    | 52.648   | ug/L   | 98       |
| 3) Chloromethane              | 1.294   | 50    | 83758    | 49.424   | ug/L   | 95       |
| 5) Vinyl chloride             | 1.374   | 62    | 92975    | 50.851   | ug/L   | 97       |
| 6) Bromomethane               | 1.593   | 94    | 60521    | 48.701   | ug/L   | 97       |
| 8) Chloroethane               | 1.666   | 64    | 64535    | 53.316   | ug/L   | 93       |
| 9) Trichlorofluoromethane     | 1.868   | 101   | 183636   | 53.905   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.319   | 101   | 82090    | 54.715   | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 2.306   | 96    | 67640    | 50.651   | ug/L # | 71       |
| 13) Acetone                   | 2.386   | 43    | 119779   | 106.061  | ug/L   | 90       |
| 14) Carbon disulfide          | 2.502   | 76    | 128558   | 50.818   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.703   | 43    | 95206    | 51.987   | ug/L   | 97       |
| 16) Methylene chloride        | 2.782   | 84    | 76955    | 50.077   | ug/L   | 91       |
| 17) trans-1,2-Dichloroethene  | 3.081   | 96    | 67455    | 48.500   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 3.111   | 73    | 282850   | 50.400   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.599   | 63    | 146522   | 50.218   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.483   | 96    | 85206    | 50.114   | ug/L   | 96       |
| 22) 2-Butanone                | 4.556   | 43    | 144845   | 106.263  | ug/L   | 98       |
| 23) Bromochloromethane        | 4.891   | 128   | 42073    | 50.741   | ug/L   | 94       |
| 25) Chloroform                | 5.086   | 83    | 163835   | 49.891   | ug/L   | 98       |

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 Sample : VSTDICV050  
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 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VICV654

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 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 06 03:51:43 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 6.080  | 62   | 133312   | 48.832  | ug/L  | 98       |
| 29) Cyclohexane               | 5.458  | 56   | 129763   | 52.563  | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 5.379  | 97   | 140636   | 52.070  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 5.666  | 117  | 114145   | 53.956  | ug/L  | 99       |
| 33) Benzene                   | 6.025  | 78   | 302521   | 50.069  | ug/L  | 100      |
| 34) Trichloroethene           | 7.117  | 95   | 84038    | 50.944  | ug/L  | 96       |
| 35) Methylcyclohexane         | 7.373  | 83   | 132020   | 55.246  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 7.428  | 63   | 82810    | 51.041  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.818  | 83   | 110833   | 52.142  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 8.360  | 75   | 132878   | 52.290  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 271330   | 108.024 | ug/L  | 94       |
| 42) Toluene                   | 8.714  | 91   | 325416   | 50.830  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 127853   | 53.082  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 9.147  | 97   | 82407    | 49.565  | ug/L  | 99       |
| 46) Tetrachloroethene         | 9.269  | 164  | 57527    | 52.278  | ug/L  | 97       |
| 48) 2-Hexanone                | 9.427  | 43   | 214108   | 108.264 | ug/L  | 95       |
| 49) Dibromochloromethane      | 9.519  | 129  | 78348    | 53.313  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 9.604  | 107  | 89487    | 52.118  | ug/L  | 100      |
| 51) Chlorobenzene             | 10.079 | 112  | 206192   | 50.201  | ug/L  | 98       |
| 52) Ethylbenzene              | 10.189 | 91   | 369181   | 52.351  | ug/L  | 100      |
| 53) m,p-Xylene                | 10.299 | 106  | 135171   | 52.920  | ug/L  | 97       |
| 54) o-Xylene                  | 10.640 | 106  | 136994   | 52.157  | ug/L  | 98       |
| 55) Styrene                   | 10.653 | 104  | 225690   | 52.684  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 133821   | 51.885  | ug/L  | 97       |
| 59) Bromoform                 | 10.799 | 173  | 47172    | 51.141  | ug/L  | 100      |
| 60) Isopropylbenzene          | 10.957 | 105  | 370037   | 52.165  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 105533   | 49.566  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 304700   | 51.759  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 301568   | 52.198  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 147912   | 50.278  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 12.036 | 146  | 149363   | 50.736  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 152218   | 50.959  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.939 | 75   | 25278    | 52.238  | ug/L  | 89       |
| 69) 1,3,5-Trichlorobenzene    | 13.116 | 180  | 94601    | 51.540  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 86140    | 52.686  | ug/L  | 98       |
| 71) Naphthalene               | 13.774 | 128  | 343968   | 51.603  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 86966    | 50.071  | ug/L  | 95       |

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

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