

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111924\  
 Data File : VX043896.D  
 Acq On : 19 Nov 2024 12:39  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VICV647

Quant Time: Nov 19 23:36:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML111924WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Nov 19 23:30:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.751   | 114   | 323833   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.049  | 117   | 234518   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.018  | 152   | 127532   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.367   | 65    | 115563   | 44.730   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 89.460%  |
| 7) Chloroethane-d5            | 1.642   | 69    | 50859    | 46.681   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 93.360%  |
| 11) 1,1-Dichloroethene-d2     | 2.294   | 65    | 45617    | 43.932   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 87.860%  |
| 21) 2-Butanone-d5             | 4.458   | 46    | 143042   | 92.134   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 92.130%  |
| 24) Chloroform-d              | 5.044   | 84    | 210520   | 43.974   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 87.940%  |
| 26) 1,2-Dichloroethane-d4     | 5.946   | 65    | 136868   | 43.066   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 86.140%  |
| 32) Benzene-d6                | 5.964   | 84    | 407302   | 52.665   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 105.340% |
| 36) 1,2-Dichloropropane-d6    | 7.299   | 67    | 125938   | 53.880   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 107.760% |
| 41) Toluene-d8                | 8.641   | 98    | 304655   | 44.906   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 89.820%  |
| 43) trans-1,3-Dichloroprop... | 8.945   | 79    | 55783    | 52.737   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 105.480% |
| 47) 2-Hexanone-d5             | 9.384   | 63    | 93385    | 107.009  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 107.010% |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 169981   | 57.676   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 115.360% |
| 66) 1,2-Dichlorobenzene-d4    | 12.317  | 152   | 124581   | 46.021   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 92.040%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166   | 85    | 117733   | 44.309   | ug/L   | 98       |
| 3) Chloromethane              | 1.294   | 50    | 120353   | 44.299   | ug/L   | 95       |
| 5) Vinyl chloride             | 1.374   | 62    | 118391   | 42.857   | ug/L   | 97       |
| 6) Bromomethane               | 1.593   | 94    | 44320    | 38.522   | ug/L   | 97       |
| 8) Chloroethane               | 1.666   | 64    | 51242    | 41.674   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 1.867   | 101   | 157960   | 42.735   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.312   | 101   | 96610    | 43.849   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.306   | 96    | 86221    | 42.971   | ug/L   | 90       |
| 13) Acetone                   | 2.386   | 43    | 105963   | 77.640   | ug/L   | 97       |
| 14) Carbon disulfide          | 2.501   | 76    | 182605   | 42.820   | ug/L   | 98       |
| 15) Methyl Acetate            | 2.703   | 43    | 112520   | 44.072   | ug/L   | 99       |
| 16) Methylene chloride        | 2.782   | 84    | 102327   | 43.494   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 3.081   | 96    | 92743    | 43.161   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 3.111   | 73    | 347056   | 43.646   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.599   | 63    | 183858   | 42.948   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.477   | 96    | 112576   | 43.095   | ug/L   | 99       |
| 22) 2-Butanone                | 4.556   | 43    | 159110   | 87.477   | ug/L   | 100      |
| 23) Bromochloromethane        | 4.891   | 128   | 55568    | 41.331   | ug/L   | 98       |
| 25) Chloroform                | 5.086   | 83    | 198412   | 42.441   | ug/L   | 99       |

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 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VICV647

Quant Time: Nov 19 23:36:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM111924WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Nov 19 23:30:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 6.080  | 62   | 157714   | 42.772  | ug/L  | 100      |
| 29) Cyclohexane               | 5.458  | 56   | 160467   | 52.604  | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 5.373  | 97   | 166180   | 51.355  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.666  | 117  | 136673   | 52.072  | ug/L  | 99       |
| 33) Benzene                   | 6.025  | 78   | 394218   | 50.285  | ug/L  | 100      |
| 34) Trichloroethene           | 7.116  | 95   | 107241   | 49.845  | ug/L  | 97       |
| 35) Methylcyclohexane         | 7.373  | 83   | 160892   | 54.696  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 7.427  | 63   | 104758   | 51.488  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.818  | 83   | 127658   | 50.029  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 8.360  | 75   | 160478   | 50.054  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 294202   | 105.620 | ug/L  | 95       |
| 42) Toluene                   | 8.714  | 91   | 356132   | 45.078  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 139512   | 48.410  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 9.147  | 97   | 96312    | 48.137  | ug/L  | 98       |
| 46) Tetrachloroethene         | 9.269  | 164  | 68515    | 48.873  | ug/L  | 97       |
| 48) 2-Hexanone                | 9.427  | 43   | 212131   | 100.886 | ug/L  | 95       |
| 49) Dibromochloromethane      | 9.518  | 129  | 91936    | 49.706  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 9.604  | 107  | 96690    | 45.878  | ug/L  | 100      |
| 51) Chlorobenzene             | 10.073 | 112  | 217173   | 44.317  | ug/L  | 98       |
| 52) Ethylbenzene              | 10.189 | 91   | 382524   | 45.936  | ug/L  | 100      |
| 53) m,p-Xylene                | 10.299 | 106  | 145455   | 47.030  | ug/L  | 99       |
| 54) o-Xylene                  | 10.640 | 106  | 157242   | 50.497  | ug/L  | 99       |
| 55) Styrene                   | 10.652 | 104  | 259938   | 50.429  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 169067   | 56.452  | ug/L  | 98       |
| 59) Bromoform                 | 10.799 | 173  | 63051    | 44.123  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.957 | 105  | 436606   | 43.442  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 132102   | 45.461  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 371175   | 46.746  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 371504   | 46.925  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 188290   | 44.654  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 12.036 | 146  | 186133   | 44.454  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 194330   | 44.512  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.945 | 75   | 32041    | 44.057  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 114202   | 41.974  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 109419   | 43.616  | ug/L  | 99       |
| 71) Naphthalene               | 13.774 | 128  | 442533   | 47.419  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 117460   | 46.469  | ug/L  | 96       |

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

