

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU032422\  
 Data File : VU047649.D  
 Acq On : 24 Mar 2022 21:53  
 Operator : SY/MD  
 Sample : N2081-08MS  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW5X6MS

Quant Time: Mar 24 23:50:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 24 23:34:42 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253          | 114  | 121873     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 127046     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 77998      | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604          | 65   | 27412      | 31.017   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 62.040%  |        |          |
| 7) Chloroethane-d5            | 1.919          | 69   | 21967      | 31.523   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 63.040%# |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.581          | 63   | 69309      | 42.864   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 85.720%  |        |          |
| 21) 2-Butanone-d5             | 4.636          | 46   | 54310      | 71.595   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 71.600%  |        |          |
| 24) Chloroform-d              | 5.070          | 84   | 53919      | 33.343   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 66.680%# |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.706          | 65   | 32867      | 33.139   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 66.280%# |        |          |
| 32) Benzene-d6                | 5.732          | 84   | 99346      | 31.076   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 62.160%# |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.693          | 67   | 31253      | 31.833   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 63.660%# |        |          |
| 41) Toluene-d8                | 7.899          | 98   | 94283      | 30.271   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 60.540%# |        |          |
| 43) trans-1,3-Dichloroprop... | 8.182          | 79   | 15123      | 30.405   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 60.800%  |        |          |
| 47) 2-Hexanone-d5             | 8.636          | 63   | 38486      | 66.963   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 66.960%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 55268      | 32.802   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 65.600%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 45550      | 32.825   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 65.660%# |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.388          | 85   | 84946      | 75.181   | ug/L   | 99       |
| 3) Chloromethane              | 1.526          | 50   | 84061      | 77.795   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.607          | 62   | 83993      | 76.217   | ug/L   | 99       |
| 6) Bromomethane               | 1.864          | 94   | 49004      | 82.617   | ug/L   | 99       |
| 8) Chloroethane               | 1.938          | 64   | 53801      | 77.768   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.144          | 101  | 110669     | 71.215   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588          | 101  | 65286      | 72.679   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.584          | 96   | 69666      | 83.333   | ug/L # | 75       |
| 13) Acetone                   | 2.645          | 43   | 103898     | 147.181  | ug/L   | 98       |
| 14) Carbon disulfide          | 2.800          | 76   | 200409     | 75.840   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.957          | 43   | 87734      | 77.940   | ug/L   | 100      |
| 16) Methylene chloride        | 3.051          | 84   | 75814      | 79.029   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 3.359          | 96   | 70368      | 78.039   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 3.366          | 73   | 192404     | 75.633   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.874          | 63   | 224291     | 144.227  | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.671          | 96   | 121646     | 123.055  | ug/L   | 96       |
| 22) 2-Butanone                | 4.716          | 43   | 148661     | 163.482  | ug/L   | 98       |
| 23) Bromochloromethane        | 4.980          | 128  | 43334      | 79.840   | ug/L   | 97       |
| 25) Chloroform                | 5.092          | 83   | 132243     | 78.985   | ug/L   | 99       |

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 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW5X6MS

Quant Time: Mar 24 23:50:39 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 24 23:34:42 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 100571   | 77.749  | ug/L  | 99       |
| 29) Cyclohexane               | 5.394  | 56   | 99453    | 77.145  | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 5.321  | 97   | 435410   | 302.248 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.530  | 117  | 98271    | 75.545  | ug/L  | 100      |
| 33) Benzene                   | 5.777  | 78   | 285507   | 77.639  | ug/L  | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 82445    | 85.515  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.764  | 83   | 108434   | 73.930  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 73132    | 78.229  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.108  | 83   | 99076    | 77.177  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 107864   | 74.362  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 239110   | 161.833 | ug/L  | 98       |
| 42) Toluene                   | 7.970  | 91   | 310029   | 76.836  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 107863   | 74.476  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 76252    | 76.908  | ug/L  | 97       |
| 46) Tetrachloroethene         | 8.555  | 164  | 85301    | 98.457  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.687  | 43   | 206245   | 162.278 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.809  | 129  | 85824    | 74.737  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 85960    | 77.336  | ug/L  | 99       |
| 51) Chlorobenzene             | 9.446  | 112  | 204262   | 74.556  | ug/L  | 97       |
| 52) Ethylbenzene              | 9.571  | 91   | 315028   | 74.253  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.693  | 106  | 125671   | 75.491  | ug/L  | 98       |
| 54) o-Xylene                  | 10.102 | 106  | 121115   | 74.128  | ug/L  | 97       |
| 55) Styrene                   | 10.115 | 104  | 209825   | 75.219  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 139902   | 75.267  | ug/L  | 99       |
| 59) Bromoform                 | 10.291 | 173  | 72734    | 72.925  | ug/L  | 100      |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 111719   | 75.979  | ug/L  | 100      |
| 61) Isopropylbenzene          | 10.484 | 105  | 309554   | 73.434  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 165354   | 72.296  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 260053   | 74.854  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 170913   | 72.946  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 172059   | 70.897  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 169562   | 72.326  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.995 | 75   | 35854    | 76.123  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.217 | 180  | 134170   | 70.509  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 119427   | 71.654  | ug/L  | 99       |
| 71) Naphthalene               | 14.085 | 128  | 363706   | 73.193  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 120804   | 72.301  | ug/L  | 99       |

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

