

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU031221\  
 Data File : VU042602.D  
 Acq On : 12 Mar 2021 10:12  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00525

Quant Time: Mar 12 11:39:17 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SOMUTR030221WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Mar 12 02:42:43 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.259  | 114   | 78805    | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.427  | 117   | 80274    | 5.00     | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 43187    | 5.00     | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 25011    | 4.76     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 95.20%   |
| 7) Chloroethane-d5            | 1.919  | 69    | 20549    | 5.17     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 103.40%  |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 63    | 56960    | 4.80     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 96.00%   |
| 20) 2-Butanone-d5             | 4.645  | 46    | 82649    | 47.91    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 95.82%   |
| 24) Chloroform-d              | 5.073  | 84    | 54688    | 5.26     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 105.20%  |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65    | 33749    | 5.28     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 105.60%  |
| 32) Benzene-d6                | 5.735  | 84    | 94615    | 4.81     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.20%   |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 31221    | 4.92     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.40%   |
| 41) Toluene-d8                | 7.906  | 98    | 97734    | 5.09     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.80%  |
| 43) trans-1,3-Dichloroprop... | 8.189  | 79    | 13423    | 4.53     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 90.60%   |
| 46) 2-Hexanone-d5             | 8.642  | 63    | 64181    | 45.19    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 90.38%   |
| 57) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 27888    | 4.93     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 98.60%   |
| 64) 1,2-Dichlorobenzene-d4    | 12.201 | 152   | 38327    | 4.90     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 98.00%   |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.388  | 85    | 35300    | 4.81     | ug/L   | 99       |
| 3) Chloromethane              | 1.523  | 50    | 34451    | 4.96     | ug/L   | 99       |
| 5) Vinyl chloride             | 1.607  | 62    | 34500    | 4.95     | ug/L   | 96       |
| 6) Bromomethane               | 1.864  | 94    | 21527    | 5.59     | ug/L   | 97       |
| 8) Chloroethane               | 1.938  | 64    | 21303    | 5.12     | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.144  | 101   | 60642    | 5.33     | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588  | 101   | 30026    | 5.02     | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.588  | 96    | 26966    | 4.86     | ug/L   | 91       |
| 13) Acetone                   | 2.655  | 43    | 49558    | 37.28    | ug/L   | 96       |
| 14) Carbon disulfide          | 2.800  | 76    | 78719    | 4.45     | ug/L   | 100      |
| 15) Methyl Acetate            | 2.961  | 43    | 13278    | 4.02     | ug/L   | 98       |
| 16) Methylene chloride        | 3.054  | 84    | 29643    | 4.46     | ug/L   | 91       |
| 17) Methyl tert-butyl Ether   | 3.372  | 73    | 71192    | 4.56     | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.362  | 96    | 27128    | 4.65     | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.880  | 63    | 56323    | 5.00     | ug/L   | 99       |
| 21) 2-Butanone                | 4.729  | 43    | 106028   | 46.92    | ug/L   | 94       |
| 22) cis-1,2-Dichloroethene    | 4.678  | 96    | 30256    | 4.85     | ug/L   | 99       |
| 23) Bromochloromethane        | 4.983  | 128   | 14925    | 5.03     | ug/L   | 91       |
| 25) Chloroform                | 5.099  | 83    | 59467    | 5.03     | ug/L   | 100      |

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Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00525

Quant Time: Mar 12 11:39:17 2021  
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| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.803  | 62   | 43425    | 4.89  | ug/L  | 96       |
| 29) 1,1,1-Trichloroethane     | 5.327  | 97   | 53834    | 4.82  | ug/L  | 97       |
| 30) Cyclohexane               | 5.398  | 56   | 49399    | 4.43  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.533  | 117  | 46570    | 4.73  | ug/L  | 99       |
| 33) Benzene                   | 5.784  | 78   | 121582   | 4.84  | ug/L  | 100      |
| 34) Trichloroethene           | 6.549  | 95   | 31629    | 4.54  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.771  | 83   | 46094    | 4.35  | ug/L  | 96       |
| 37) 1,2-Dichloropropane       | 6.800  | 63   | 33790    | 4.98  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.115  | 83   | 42781    | 4.84  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.616  | 75   | 45418    | 4.60  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.803  | 43   | 271697   | 45.96 | ug/L  | 95       |
| 42) Toluene                   | 7.976  | 91   | 131919   | 4.82  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.221  | 75   | 41816    | 4.59  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.407  | 97   | 24251    | 4.85  | ug/L  | 98       |
| 47) Tetrachloroethene         | 8.562  | 164  | 27480    | 4.84  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.697  | 43   | 198620   | 45.54 | ug/L  | 95       |
| 49) Dibromochloromethane      | 8.819  | 129  | 29819    | 4.76  | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.935  | 107  | 23925    | 4.85  | ug/L  | 96       |
| 51) Chlorobenzene             | 9.456  | 112  | 82812    | 4.73  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.578  | 91   | 144864   | 4.69  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.703  | 106  | 55020    | 4.82  | ug/L  | 99       |
| 54) o-Xylene                  | 10.108 | 106  | 52475    | 4.74  | ug/L  | 93       |
| 55) Styrene                   | 10.121 | 104  | 90468    | 4.81  | ug/L  | 100      |
| 56) Isopropylbenzene          | 10.491 | 105  | 145509   | 4.79  | ug/L  | 99       |
| 58) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 30149    | 4.50  | ug/L  | 98       |
| 59) 1,2,3-Trichloropropane    | 10.832 | 75   | 23140    | 4.54  | ug/L  | 97       |
| 61) Bromoform                 | 10.301 | 173  | 18056    | 4.63  | ug/L  | 98       |
| 62) 1,3-Dichlorobenzene       | 11.754 | 146  | 72080    | 4.84  | ug/L  | 98       |
| 63) 1,4-Dichlorobenzene       | 11.844 | 146  | 71862    | 4.84  | ug/L  | 98       |
| 65) 1,2-Dichlorobenzene       | 12.221 | 146  | 68953    | 4.81  | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropr... | 13.005 | 75   | 5063     | 4.20  | ug/L  | 95       |
| 67) 1,3,5-Trichlorobenzene    | 13.227 | 180  | 57197    | 4.43  | ug/L  | 99       |
| 68) 1,2,4-trichlorobenzene    | 13.848 | 180  | 44465    | 4.16  | ug/L  | 98       |
| 69) Naphthalene               | 14.095 | 128  | 70677    | 4.07  | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene    | 14.340 | 180  | 42417    | 4.37  | ug/L  | 97       |

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

