

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020921\  
 Data File : VU042294.D  
 Acq On : 09 Feb 2021 13:38  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00512

Quant Time: Feb 10 02:25:18 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SOMUTR012021WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Feb 09 00:18:31 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.259  | 114   | 108187   | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.427  | 117   | 102357   | 5.00     | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.822 | 152   | 55710    | 5.00     | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 30770    | 4.41     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 88.20%   |
| 7) Chloroethane-d5            | 1.919  | 69    | 27944    | 4.97     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 99.40%   |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 63    | 77463    | 5.04     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 100.80%  |
| 20) 2-Butanone-d5             | 4.652  | 46    | 118286   | 46.45    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 92.90%   |
| 24) Chloroform-d              | 5.076  | 84    | 78519    | 5.39     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 107.80%  |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65    | 47447    | 5.44     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 108.80%  |
| 32) Benzene-d6                | 5.739  | 84    | 137038   | 5.13     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 102.60%  |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 46116    | 5.35     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 107.00%  |
| 41) Toluene-d8                | 7.909  | 98    | 129091   | 5.11     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 102.20%  |
| 43) trans-1,3-Dichloroprop... | 8.189  | 79    | 19994    | 4.58     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 91.60%   |
| 46) 2-Hexanone-d5             | 8.645  | 63    | 101605   | 53.40    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 106.80%  |
| 57) 1,1,2,2-Tetrachloroeth... | 10.767 | 84    | 41229    | 5.58     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 111.60%  |
| 64) 1,2-Dichlorobenzene-d4    | 12.205 | 152   | 52838    | 5.28     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 105.60%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.388  | 85    | 42436    | 4.17     | ug/L   | 98       |
| 3) Chloromethane              | 1.523  | 50    | 39268    | 4.32     | ug/L   | 98       |
| 5) Vinyl chloride             | 1.607  | 62    | 40060    | 4.60     | ug/L   | 98       |
| 6) Bromomethane               | 1.864  | 94    | 23274    | 4.51     | ug/L   | 97       |
| 8) Chloroethane               | 1.941  | 64    | 24462    | 4.84     | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 2.144  | 101   | 62671    | 5.31     | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.591  | 101   | 38419    | 5.03     | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.588  | 96    | 34162    | 4.66     | ug/L   | 86       |
| 13) Acetone                   | 2.662  | 43    | 67403    | 39.74    | ug/L   | 98       |
| 14) Carbon disulfide          | 2.800  | 76    | 102754   | 4.22     | ug/L   | 99       |
| 15) Methyl Acetate            | 2.964  | 43    | 15958    | 3.99     | ug/L   | 98       |
| 16) Methylene chloride        | 3.057  | 84    | 38160    | 4.42     | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 3.375  | 73    | 103096   | 4.86     | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 3.362  | 96    | 35586    | 4.56     | ug/L   | 92       |
| 19) 1,1-Dichloroethane        | 3.880  | 63    | 73727    | 5.11     | ug/L   | 98       |
| 21) 2-Butanone                | 4.729  | 43    | 154364   | 54.33    | ug/L   | 88       |
| 22) cis-1,2-Dichloroethene    | 4.678  | 96    | 39730    | 4.78     | ug/L   | 97       |
| 23) Bromochloromethane        | 4.986  | 128   | 18807    | 4.89     | ug/L   | 96       |
| 25) Chloroform                | 5.099  | 83    | 74978    | 5.04     | ug/L   | 100      |

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 Data File : VU042294.D  
 Acq On : 09 Feb 2021 13:38  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00512

Quant Time: Feb 10 02:25:18 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SOMUTR012021WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Feb 09 00:18:31 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.806  | 62   | 54610    | 5.18  | ug/L  | 97       |
| 29) 1,1,1-Trichloroethane     | 5.327  | 97   | 68353    | 5.06  | ug/L  | 98       |
| 30) Cyclohexane               | 5.398  | 56   | 66506    | 4.59  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.536  | 117  | 58945    | 4.96  | ug/L  | 99       |
| 33) Benzene                   | 5.784  | 78   | 151647   | 5.03  | ug/L  | 100      |
| 34) Trichloroethene           | 6.552  | 95   | 40910    | 5.04  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.774  | 83   | 64720    | 4.75  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.803  | 63   | 41207    | 5.19  | ug/L  | 98       |
| 38) Bromodichloromethane      | 7.115  | 83   | 55398    | 5.05  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.616  | 75   | 62641    | 4.80  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.803  | 43   | 362522   | 53.43 | ug/L  | 98       |
| 42) Toluene                   | 7.980  | 91   | 165383   | 5.07  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 8.221  | 75   | 58374    | 4.88  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.410  | 97   | 30401    | 5.18  | ug/L  | 95       |
| 47) Tetrachloroethene         | 8.562  | 164  | 32955    | 4.88  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.697  | 43   | 270959   | 57.44 | ug/L  | 96       |
| 49) Dibromochloromethane      | 8.819  | 129  | 38431    | 4.92  | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.935  | 107  | 30461    | 5.03  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.455  | 112  | 103286   | 4.95  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.581  | 91   | 183837   | 4.92  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.703  | 106  | 67939    | 4.85  | ug/L  | 93       |
| 54) o-Xylene                  | 10.111 | 106  | 67249    | 4.95  | ug/L  | 97       |
| 55) Styrene                   | 10.124 | 104  | 114248   | 4.89  | ug/L  | 100      |
| 56) Isopropylbenzene          | 10.494 | 105  | 185810   | 4.96  | ug/L  | 100      |
| 58) 1,1,2,2-Tetrachloroethane | 10.793 | 83   | 39580    | 5.28  | ug/L  | 99       |
| 59) 1,2,3-Trichloropropane    | 10.832 | 75   | 29989    | 5.35  | ug/L  | 99       |
| 61) Bromoform                 | 10.301 | 173  | 24405    | 4.84  | ug/L  | 99       |
| 62) 1,3-Dichlorobenzene       | 11.754 | 146  | 85409    | 4.91  | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene       | 11.844 | 146  | 86138    | 4.95  | ug/L  | 98       |
| 65) 1,2-Dichlorobenzene       | 12.221 | 146  | 84568    | 5.23  | ug/L  | 100      |
| 66) 1,2-Dibromo-3-chloropr... | 13.008 | 75   | 7677     | 5.32  | ug/L  | 86       |
| 67) 1,3,5-Trichlorobenzene    | 13.230 | 180  | 72577    | 5.22  | ug/L  | 99       |
| 68) 1,2,4-trichlorobenzene    | 13.851 | 180  | 59701    | 5.42  | ug/L  | 99       |
| 69) Naphthalene               | 14.095 | 128  | 100036   | 6.21  | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene    | 14.339 | 180  | 55152    | 5.66  | ug/L  | 99       |

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

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Operator : SY/MD  
Sample : VSTDCCC005  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD00512

Quant Time: Feb 10 02:25:18 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SOMUTR012021WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Feb 09 00:18:31 2021  
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