

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U103018\  
 Data File : VU027868.D  
 Acq On : 30 Oct 2018 11:52  
 Operator : MD/SY  
 Sample : VSTD01046  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01046

Quant Time: Oct 31 01:46:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR103018WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Oct 31 01:42:19 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 86090    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 83987    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 43200    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |        |      |      |
|--------------------------------|-------|-----|--------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.40  | 65  | 70910  | 10.54  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.68  | 69  | 53195  | 10.24  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.28  | 63  | 131722 | 10.31  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.20  | 46  | 209053 | 103.84 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.65  | 84  | 124611 | 10.30  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.31  | 65  | 68723  | 9.88   | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.34  | 84  | 236981 | 10.30  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.33  | 67  | 82091  | 10.08  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.57  | 98  | 220990 | 10.10  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.85  | 79  | 34324  | 10.89  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.31  | 63  | 180736 | 104.86 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84  | 60043  | 10.42  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.86 | 152 | 81181  | 9.82   | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |              | Qvalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.21 | 85  | 86993  | 10.264 ug/L  | 97     |
| 3) Chloromethane               | 1.33 | 50  | 86816  | 10.329 ug/L  | 100    |
| 5) Vinyl chloride              | 1.40 | 62  | 86616  | 10.351 ug/L  | 97     |
| 6) Bromomethane                | 1.63 | 94  | 29743  | 10.818 ug/L  | 96     |
| 8) Chloroethane                | 1.70 | 64  | 48846  | 9.960 ug/L   | 99     |
| 9) Trichlorofluoromethane      | 1.89 | 101 | 113455 | 10.212 ug/L  | 98     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101 | 59559  | 10.507 ug/L  | 99     |
| 12) 1,1-Dichloroethene         | 2.29 | 96  | 55314  | 10.345 ug/L  | 97     |
| 13) Acetone                    | 2.34 | 43  | 124800 | 98.668 ug/L  | 98     |
| 14) Carbon disulfide           | 2.48 | 76  | 195046 | 10.212 ug/L  | 100    |
| 15) Methyl Acetate             | 2.63 | 43  | 31934  | 9.432 ug/L   | 97     |
| 16) Methylene chloride         | 2.71 | 84  | 60148  | 10.012 ug/L  | 97     |
| 17) Methyl tert-butyl Ether    | 3.01 | 73  | 163197 | 10.237 ug/L  | 99     |
| 18) trans-1,2-Dichloroethene   | 2.99 | 96  | 59032  | 10.385 ug/L  | 100    |
| 19) 1,1-Dichloroethane         | 3.45 | 63  | 122007 | 10.168 ug/L  | 99     |
| 21) 2-Butanone                 | 4.29 | 43  | 223710 | 101.728 ug/L | 100    |
| 22) cis-1,2-Dichloroethene     | 4.23 | 96  | 68063  | 10.360 ug/L  | 99     |
| 23) Bromochloromethane         | 4.55 | 128 | 28498  | 10.468 ug/L  | 99     |
| 25) Chloroform                 | 4.68 | 83  | 124771 | 10.257 ug/L  | 96     |
| 27) 1,2-Dichloroethane         | 5.41 | 62  | 87177  | 10.269 ug/L  | 99     |
| 29) 1,1,1-Trichloroethane      | 4.92 | 97  | 109747 | 10.126 ug/L  | 98     |
| 30) Cyclohexane                | 5.00 | 56  | 130000 | 10.209 ug/L  | 100    |
| 31) Carbon tetrachloride       | 5.13 | 117 | 98630  | 10.604 ug/L  | 98     |
| 33) Benzene                    | 5.39 | 78  | 270522 | 10.171 ug/L  | 100    |
| 34) Trichloroethene            | 6.19 | 95  | 71225  | 10.289 ug/L  | 98     |
| 35) Methylcyclohexane          | 6.42 | 83  | 121948 | 10.355 ug/L  | 98     |
| 37) 1,2-Dichloropropane        | 6.44 | 63  | 76523  | 10.100 ug/L  | 99     |
| 38) Bromodichloromethane       | 6.76 | 83  | 92314  | 10.421 ug/L  | 99     |
| 39) cis-1,3-Dichloropropene    | 7.27 | 75  | 113508 | 10.451 ug/L  | 98     |
| 40) 4-Methyl-2-pentanone       | 7.47 | 43  | 549986 | 102.745 ug/L | 99     |

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 QLast Update : Wed Oct 31 01:42:19 2018  
 Response via : Initial Calibration

| Internal Standards              | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|---------------------------------|-------|------|----------|---------|-------|----------|
| 42) Toluene                     | 7.64  | 91   | 290501   | 10.440  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene   | 7.88  | 75   | 95724    | 10.275  | ug/L  | 94       |
| 45) 1,1,2-Trichloroethane       | 8.07  | 97   | 47152    | 10.117  | ug/L  | 98       |
| 47) Tetrachloroethene           | 8.23  | 164  | 55728    | 10.478  | ug/L  | 98       |
| 48) 2-Hexanone                  | 8.37  | 43   | 396558   | 102.762 | ug/L  | 97       |
| 49) Dibromochloromethane        | 8.48  | 129  | 59026    | 10.487  | ug/L  | 99       |
| 50) 1,2-Dibromoethane           | 8.59  | 107  | 46150    | 10.349  | ug/L  | 98       |
| 51) Chlorobenzene               | 9.12  | 112  | 175934   | 10.192  | ug/L  | 98       |
| 52) Ethylbenzene                | 9.25  | 91   | 329357   | 10.380  | ug/L  | 99       |
| 53) m,p-xylene                  | 9.38  | 106  | 118298   | 10.283  | ug/L  | 99       |
| 54) o-xylene                    | 9.78  | 106  | 116593   | 10.318  | ug/L  | 100      |
| 55) Styrene                     | 9.79  | 104  | 200510   | 10.586  | ug/L  | 99       |
| 56) Isopropylbenzene            | 10.17 | 105  | 323063   | 10.494  | ug/L  | 99       |
| 58) 1,1,1,2,2-Tetrachloroethane | 10.46 | 83   | 64206    | 10.564  | ug/L  | 98       |
| 59) 1,2,3-Trichloropropane      | 10.49 | 75   | 47728    | 10.393  | ug/L  | 97       |
| 61) Bromoform                   | 9.96  | 173  | 34056    | 10.716  | ug/L  | 99       |
| 62) 1,3-Dichlorobenzene         | 11.42 | 146  | 140569   | 10.117  | ug/L  | 95       |
| 63) 1,4-Dichlorobenzene         | 11.51 | 146  | 142470   | 10.258  | ug/L  | 97       |
| 65) 1,2-Dichlorobenzene         | 11.88 | 146  | 134312   | 10.238  | ug/L  | 98       |
| 66) 1,2-Dibromo-3-chloropropan  | 12.66 | 75   | 10766    | 10.471  | ug/L  | 94       |
| 67) 1,3,5-Trichlorobenzene      | 12.89 | 180  | 115967   | 10.371  | ug/L  | 100      |
| 68) 1,2,4-trichlorobenzene      | 13.50 | 180  | 101745   | 10.699  | ug/L  | 99       |
| 69) Naphthalene                 | 13.74 | 128  | 161467   | 10.920  | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene      | 13.99 | 180  | 90731    | 10.476  | ug/L  | 96       |

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

