

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\  
 Data File : VU038408.D  
 Acq On : 30 May 2020 12:22  
 Operator : JC/MD  
 Sample : VSTD01004  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01004

Quant Time: Jun 01 01:28:45 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Jun 01 01:25:33 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 338718   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 331435   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 168165   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |        |      |      |
|--------------------------------|-------|-----|--------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.61  | 65  | 214371 | 9.78   | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.93  | 69  | 162991 | 9.67   | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.59  | 63  | 414993 | 9.62   | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.68  | 46  | 663272 | 99.60  | ug/L | 0.00 |
| 24) Chloroform-d               | 5.10  | 84  | 400223 | 9.72   | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.74  | 65  | 224527 | 9.60   | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.76  | 84  | 808611 | 9.77   | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.72  | 67  | 246189 | 9.68   | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.92  | 98  | 732047 | 9.86   | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.20  | 79  | 112779 | 10.31  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.65  | 63  | 543214 | 100.53 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77 | 84  | 211700 | 9.80   | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 12.20 | 152 | 279971 | 9.65   | ug/L | 0.00 |

## Target Compounds

|                                |      |     |         |             | Qvalue |
|--------------------------------|------|-----|---------|-------------|--------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 257038  | 9.628 ug/L  | 99     |
| 3) Chloromethane               | 1.53 | 50  | 237740  | 9.697 ug/L  | 98     |
| 5) Vinyl chloride              | 1.62 | 62  | 255921  | 9.743 ug/L  | 99     |
| 6) Bromomethane                | 1.87 | 94  | 127117  | 9.968 ug/L  | 99     |
| 8) Chloroethane                | 1.95 | 64  | 148032  | 9.405 ug/L  | 94     |
| 9) Trichlorofluoromethane      | 2.16 | 101 | 335148  | 9.618 ug/L  | 100    |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.61 | 101 | 195340  | 9.518 ug/L  | 99     |
| 12) 1,1-Dichloroethene         | 2.60 | 96  | 198016  | 9.493 ug/L  | 99     |
| 13) Acetone                    | 2.68 | 43  | 415379  | 95.309 ug/L | 99     |
| 14) Carbon disulfide           | 2.82 | 76  | 675222  | 9.540 ug/L  | 99     |
| 15) Methyl Acetate             | 2.99 | 43  | 107928  | 10.108 ug/L | 99     |
| 16) Methylene chloride         | 3.08 | 84  | 223036  | 9.448 ug/L  | 99     |
| 17) Methyl tert-butyl Ether    | 3.40 | 73  | 558542  | 10.212 ug/L | 99     |
| 18) trans-1,2-Dichloroethene   | 3.39 | 96  | 217475  | 9.674 ug/L  | 98     |
| 19) 1,1-Dichloroethane         | 3.91 | 63  | 394650  | 9.809 ug/L  | 99     |
| 21) 2-Butanone                 | 4.76 | 43  | 718146  | 97.967 ug/L | 94     |
| 22) cis-1,2-Dichloroethene     | 4.71 | 96  | 233189  | 9.633 ug/L  | 99     |
| 23) Bromochloromethane         | 5.02 | 128 | 103539  | 9.504 ug/L  | 95     |
| 25) Chloroform                 | 5.13 | 83  | 400341  | 9.796 ug/L  | 99     |
| 27) 1,2-Dichloroethane         | 5.83 | 62  | 276106  | 9.596 ug/L  | 98     |
| 29) 1,1,1-Trichloroethane      | 5.35 | 97  | 346245  | 9.873 ug/L  | 99     |
| 30) Cyclohexane                | 5.42 | 56  | 357466  | 9.720 ug/L  | 98     |
| 31) Carbon tetrachloride       | 5.56 | 117 | 285236  | 9.769 ug/L  | 100    |
| 33) Benzene                    | 5.81 | 78  | 892132  | 9.653 ug/L  | 100    |
| 34) Trichloroethene            | 6.57 | 95  | 227417  | 9.480 ug/L  | 98     |
| 35) Methylcyclohexane          | 6.79 | 83  | 373966  | 10.069 ug/L | 95     |
| 37) 1,2-Dichloropropane        | 6.82 | 63  | 228743  | 9.836 ug/L  | 99     |
| 38) Bromodichloromethane       | 7.13 | 83  | 287475  | 9.953 ug/L  | 100    |
| 39) cis-1,3-Dichloropropene    | 7.63 | 75  | 351855  | 10.237 ug/L | 99     |
| 40) 4-Methyl-2-pentanone       | 7.82 | 43  | 1651045 | 99.267 ug/L | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\  
 Data File : VU038408.D  
 Acq On : 30 May 2020 12:22  
 Operator : JC/MD  
 Sample : VSTD01004  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01004

Quant Time: Jun 01 01:28:45 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Jun 01 01:25:33 2020  
 Response via : Initial Calibration

| Internal Standards              | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------------|-------|------|----------|--------|-------|----------|
| 42) Toluene                     | 7.99  | 91   | 951371   | 9.814  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene   | 8.23  | 75   | 309444   | 10.194 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane       | 8.42  | 97   | 172393   | 9.825  | ug/L  | 97       |
| 47) Tetrachloroethene           | 8.57  | 164  | 163130   | 9.360  | ug/L  | 96       |
| 48) 2-Hexanone                  | 8.71  | 43   | 1241082  | 98.530 | ug/L  | 99       |
| 49) Dibromochloromethane        | 8.83  | 129  | 192297   | 10.154 | ug/L  | 98       |
| 50) 1,2-Dibromoethane           | 8.94  | 107  | 167368   | 9.962  | ug/L  | 98       |
| 51) Chlorobenzene               | 9.47  | 112  | 596322   | 9.539  | ug/L  | 98       |
| 52) Ethylbenzene                | 9.59  | 91   | 1060576  | 9.834  | ug/L  | 99       |
| 53) m,p-Xylene                  | 9.71  | 106  | 413173   | 9.961  | ug/L  | 96       |
| 54) o-Xylene                    | 10.12 | 106  | 398471   | 10.007 | ug/L  | 98       |
| 55) Styrene                     | 10.13 | 104  | 691414   | 10.230 | ug/L  | 100      |
| 56) Isopropylbenzene            | 10.50 | 105  | 1030462  | 9.833  | ug/L  | 99       |
| 58) 1,1,1,2,2-Tetrachloroethane | 10.80 | 83   | 216597   | 9.714  | ug/L  | 99       |
| 59) 1,2,3-Trichloropropane      | 10.84 | 75   | 169024   | 9.737  | ug/L  | 98       |
| 61) Bromoform                   | 10.31 | 173  | 107483   | 10.260 | ug/L  | 100      |
| 62) 1,3-Dichlorobenzene         | 11.76 | 146  | 475594   | 9.626  | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene         | 11.85 | 146  | 479317   | 9.567  | ug/L  | 100      |
| 65) 1,2-Dichlorobenzene         | 12.22 | 146  | 450698   | 9.606  | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan  | 13.01 | 75   | 36984    | 9.736  | ug/L  | 95       |
| 67) 1,3,5-Trichlorobenzene      | 13.24 | 180  | 356150   | 9.662  | ug/L  | 100      |
| 68) 1,2,4-trichlorobenzene      | 13.87 | 180  | 334177   | 9.794  | ug/L  | 100      |
| 69) Naphthalene                 | 14.11 | 128  | 698811   | 10.291 | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene      | 14.36 | 180  | 304981   | 9.824  | ug/L  | 99       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU053120\  
Data File : VU038408.D  
Acq On : 30 May 2020 12:22  
Operator : JC/MD  
Sample : VSTD01004  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 01 01:28:45 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon Jun 01 01:25:33 2020  
Response via : Initial Calibration

