

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033120\  
 Data File : VU037496.D  
 Acq On : 31 Mar 2020 12:37  
 Operator : JC/MD  
 Sample : VSTD01006  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01006

Quant Time: Mar 31 13:21:58 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR033120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Mar 31 12:37:56 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 90917    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 84223    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 42012    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |        |      |      |
|--------------------------------|-------|-----|--------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.61  | 65  | 66605  | 9.93   | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.93  | 69  | 56195  | 11.18  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.59  | 63  | 128252 | 9.78   | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.68  | 46  | 207448 | 113.41 | ug/L | 0.00 |
| 24) Chloroform-d               | 5.11  | 84  | 128357 | 9.67   | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.74  | 65  | 70008  | 9.60   | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.76  | 84  | 250830 | 10.31  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.72  | 67  | 84612  | 10.51  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.93  | 98  | 229613 | 9.95   | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.20  | 79  | 36916  | 9.75   | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.66  | 63  | 171119 | 113.65 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77 | 84  | 69918  | 10.34  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 12.21 | 152 | 79009  | 9.55   | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |              | Qvalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 65645  | 8.605 ug/L   | 99     |
| 3) Chloromethane               | 1.53 | 50  | 65592  | 9.700 ug/L   | 98     |
| 5) Vinyl chloride              | 1.62 | 62  | 71950  | 10.109 ug/L  | 96     |
| 6) Bromomethane                | 1.87 | 94  | 37547  | 9.361 ug/L   | 98     |
| 8) Chloroethane                | 1.95 | 64  | 40367  | 10.168 ug/L  | 98     |
| 9) Trichlorofluoromethane      | 2.16 | 101 | 98042  | 10.289 ug/L  | 97     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.60 | 101 | 56839  | 9.790 ug/L   | 100    |
| 12) 1,1-Dichloroethene         | 2.60 | 96  | 56355  | 9.425 ug/L   | 87     |
| 13) Acetone                    | 2.68 | 43  | 106822 | 101.632 ug/L | 97     |
| 14) Carbon disulfide           | 2.82 | 76  | 190647 | 9.319 ug/L   | 98     |
| 15) Methyl Acetate             | 2.99 | 43  | 30190  | 10.281 ug/L  | 97     |
| 16) Methylene chloride         | 3.08 | 84  | 63679  | 9.530 ug/L   | 96     |
| 17) Methyl tert-butyl Ether    | 3.40 | 73  | 160585 | 9.869 ug/L   | 98     |
| 18) trans-1,2-Dichloroethene   | 3.39 | 96  | 59531  | 9.520 ug/L   | 97     |
| 19) 1,1-Dichloroethane         | 3.91 | 63  | 113721 | 9.731 ug/L   | 99     |
| 21) 2-Butanone                 | 4.76 | 43  | 199141 | 111.449 ug/L | 99     |
| 22) cis-1,2-Dichloroethene     | 4.71 | 96  | 66812  | 9.535 ug/L   | 94     |
| 23) Bromochloromethane         | 5.02 | 128 | 28236  | 9.122 ug/L   | 97     |
| 25) Chloroform                 | 5.13 | 83  | 112207 | 9.127 ug/L   | 94     |
| 27) 1,2-Dichloroethane         | 5.83 | 62  | 76778  | 9.348 ug/L   | 100    |
| 29) 1,1,1-Trichloroethane      | 5.36 | 97  | 102837 | 9.714 ug/L   | 99     |
| 30) Cyclohexane                | 5.42 | 56  | 111073 | 10.239 ug/L  | 100    |
| 31) Carbon tetrachloride       | 5.56 | 117 | 84438  | 9.238 ug/L   | 100    |
| 33) Benzene                    | 5.81 | 78  | 253089 | 10.147 ug/L  | 100    |
| 34) Trichloroethene            | 6.57 | 95  | 66070  | 9.301 ug/L   | 95     |
| 35) Methylcyclohexane          | 6.79 | 83  | 108669 | 9.666 ug/L   | 98     |
| 37) 1,2-Dichloropropane        | 6.82 | 63  | 68271  | 10.589 ug/L  | 99     |
| 38) Bromodichloromethane       | 7.14 | 83  | 87041  | 9.871 ug/L   | 95     |
| 39) cis-1,3-Dichloropropene    | 7.64 | 75  | 105537 | 10.037 ug/L  | 99     |
| 40) 4-Methyl-2-pentanone       | 7.82 | 43  | 492692 | 114.775 ug/L | 100    |

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 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Mar 31 12:37:56 2020  
 Response via : Initial Calibration

| Internal Standards              | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|---------------------------------|-------|------|----------|---------|-------|----------|
| 42) Toluene                     | 8.00  | 91   | 266991   | 9.933   | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene   | 8.23  | 75   | 93410    | 9.938   | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane       | 8.43  | 97   | 48074    | 9.970   | ug/L  | 97       |
| 47) Tetrachloroethene           | 8.58  | 164  | 42788    | 8.744   | ug/L  | 98       |
| 48) 2-Hexanone                  | 8.71  | 43   | 357575   | 115.565 | ug/L  | 99       |
| 49) Dibromochloromethane        | 8.84  | 129  | 57870    | 9.724   | ug/L  | 89       |
| 50) 1,2-Dibromoethane           | 8.95  | 107  | 47426    | 10.132  | ug/L  | 93       |
| 51) Chlorobenzene               | 9.47  | 112  | 166264   | 8.954   | ug/L  | 100      |
| 52) Ethylbenzene                | 9.59  | 91   | 304421   | 9.869   | ug/L  | 100      |
| 53) m,p-Xylene                  | 9.71  | 106  | 115052   | 9.871   | ug/L  | 100      |
| 54) o-Xylene                    | 10.12 | 106  | 110166   | 9.684   | ug/L  | 97       |
| 55) Styrene                     | 10.13 | 104  | 189692   | 9.759   | ug/L  | 98       |
| 56) Isopropylbenzene            | 10.50 | 105  | 296779   | 9.792   | ug/L  | 99       |
| 58) 1,1,1,2,2-Tetrachloroethane | 10.80 | 83   | 64729    | 10.515  | ug/L  | 97       |
| 59) 1,2,3-Trichloropropane      | 10.84 | 75   | 46845    | 10.445  | ug/L  | 100      |
| 61) Bromoform                   | 10.31 | 173  | 32750    | 9.379   | ug/L  | 98       |
| 62) 1,3-Dichlorobenzene         | 11.76 | 146  | 128492   | 9.511   | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene         | 11.85 | 146  | 126982   | 8.803   | ug/L  | 99       |
| 65) 1,2-Dichlorobenzene         | 12.23 | 146  | 121378   | 9.307   | ug/L  | 98       |
| 66) 1,2-Dibromo-3-chloropropan  | 13.02 | 75   | 13159    | 11.467  | ug/L  | 94       |
| 67) 1,3,5-Trichlorobenzene      | 13.24 | 180  | 90581    | 8.647   | ug/L  | 99       |
| 68) 1,2,4-trichlorobenzene      | 13.87 | 180  | 86191    | 8.534   | ug/L  | 96       |
| 69) Naphthalene                 | 14.11 | 128  | 198178   | 10.108  | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene      | 14.36 | 180  | 78822    | 8.678   | ug/L  | 99       |

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

