

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102820\  
 Data File : VU040995.D  
 Acq On : 28 Oct 2020 12:32  
 Operator : SY/MD  
 Sample : VSTD02006  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD02006

Quant Time: Oct 29 01:30:58 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SFAMUTR102820WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 29 01:21:51 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 66904    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 65561    | 5.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 34072    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |        |      |      |
|--------------------------------|-------|-----|--------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.60  | 65  | 96500  | 21.67  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.92  | 69  | 79959  | 21.80  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.58  | 65  | 46531  | 20.62  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.66  | 46  | 393980 | 232.11 | ug/L | 0.00 |
| 24) Chloroform-d               | 5.08  | 84  | 190656 | 21.41  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.72  | 65  | 113169 | 20.33  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.74  | 84  | 346755 | 20.43  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.70  | 67  | 115607 | 20.44  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.91  | 98  | 312281 | 20.69  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.19  | 79  | 52516  | 22.77  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.64  | 63  | 318819 | 266.17 | ug/L | 0.00 |
| 56) 1,1,2,2-Tetrachloroethane- | 10.75 | 84  | 106536 | 22.00  | ug/L | 0.00 |
| 66) 1,2-Dichlorobenzene-d4     | 12.19 | 152 | 118261 | 20.30  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |         | Qvalue   |
|--------------------------------|------|-----|--------|---------|----------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 110983 | 16.387  | ug/L 98  |
| 3) Chloromethane               | 1.53 | 50  | 113462 | 16.890  | ug/L 99  |
| 5) Vinyl chloride              | 1.61 | 62  | 116828 | 17.557  | ug/L 100 |
| 6) Bromomethane                | 1.87 | 94  | 63202  | 17.813  | ug/L 95  |
| 8) Chloroethane                | 1.94 | 64  | 71612  | 18.135  | ug/L 97  |
| 9) Trichlorofluoromethane      | 2.15 | 101 | 157953 | 17.592  | ug/L 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 94918  | 17.342  | ug/L 98  |
| 12) 1,1-Dichloroethene         | 2.59 | 96  | 88913  | 17.330  | ug/L 87  |
| 13) Acetone                    | 2.68 | 43  | 243211 | 193.285 | ug/L 66  |
| 14) Carbon disulfide           | 2.81 | 76  | 289125 | 16.402  | ug/L 98  |
| 15) Methyl Acetate             | 2.97 | 43  | 56512  | 18.094  | ug/L 97  |
| 16) Methylene chloride         | 3.06 | 84  | 98592  | 15.357  | ug/L 99  |
| 17) Methyl tert-butyl Ether    | 3.38 | 73  | 253339 | 18.881  | ug/L 98  |
| 18) trans-1,2-Dichloroethene   | 3.37 | 96  | 92900  | 17.404  | ug/L 100 |
| 19) 1,1-Dichloroethane         | 3.89 | 63  | 182414 | 17.197  | ug/L 100 |
| 21) 2-Butanone                 | 4.74 | 43  | 402991 | 195.249 | ug/L 100 |
| 22) cis-1,2-Dichloroethene     | 4.68 | 96  | 99555  | 17.728  | ug/L 98  |
| 23) Bromochloromethane         | 4.99 | 128 | 46558  | 17.552  | ug/L 99  |
| 25) Chloroform                 | 5.11 | 83  | 186989 | 17.559  | ug/L 100 |
| 27) 1,2-Dichloroethane         | 5.81 | 62  | 137631 | 17.867  | ug/L 98  |
| 29) 1,1,1-Trichloroethane      | 5.33 | 97  | 160479 | 17.743  | ug/L 99  |
| 30) Cyclohexane                | 5.40 | 56  | 172187 | 17.960  | ug/L 99  |
| 31) Carbon tetrachloride       | 5.54 | 117 | 138077 | 17.917  | ug/L 97  |
| 33) Benzene                    | 5.79 | 78  | 391930 | 17.657  | ug/L 100 |
| 34) Trichloroethene            | 6.55 | 95  | 99512  | 17.354  | ug/L 100 |
| 35) Methylcyclohexane          | 6.77 | 83  | 166350 | 18.806  | ug/L 94  |
| 37) 1,2-Dichloropropane        | 6.80 | 63  | 106068 | 17.031  | ug/L 99  |
| 38) Bromodichloromethane       | 7.11 | 83  | 135993 | 18.010  | ug/L 97  |
| 39) cis-1,3-Dichloropropene    | 7.62 | 75  | 158296 | 18.942  | ug/L 99  |
| 40) 4-Methyl-2-pentanone       | 7.80 | 43  | 901667 | 192.501 | ug/L 97  |

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 VSTD02006

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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 29 01:21:51 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 42) Toluene                    | 7.98  | 91   | 405636   | 18.065  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene  | 8.21  | 75   | 145045   | 18.786  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane      | 8.41  | 97   | 76044    | 17.960  | ug/L  | 97       |
| 47) Tetrachloroethene          | 8.56  | 164  | 72639    | 17.450  | ug/L  | 97       |
| 48) 2-Hexanone                 | 8.69  | 43   | 672200   | 196.327 | ug/L  | 97       |
| 49) Dibromochloromethane       | 8.82  | 129  | 90308    | 18.563  | ug/L  | 99       |
| 50) 1,2-Dibromoethane          | 8.93  | 107  | 73613    | 18.035  | ug/L  | 96       |
| 51) Chlorobenzene              | 9.45  | 112  | 249632   | 17.308  | ug/L  | 99       |
| 52) Ethylbenzene               | 9.57  | 91   | 454791   | 18.574  | ug/L  | 100      |
| 53) m,p-Xylene                 | 9.69  | 106  | 166843   | 18.910  | ug/L  | 98       |
| 54) o-Xylene                   | 10.10 | 106  | 157775   | 18.576  | ug/L  | 99       |
| 55) Styrene                    | 10.11 | 104  | 282790   | 19.278  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane  | 10.78 | 83   | 103084   | 18.484  | ug/L  | 95       |
| 59) Bromoform                  | 10.29 | 173  | 50741    | 18.492  | ug/L  | 97       |
| 60) Isopropylbenzene           | 10.48 | 105  | 431515   | 18.642  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane     | 10.82 | 75   | 76089    | 17.372  | ug/L  | 96       |
| 62) 1,3,5-Trimethylbenzene     | 11.09 | 105  | 368391   | 19.856  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene     | 11.46 | 105  | 378256   | 20.063  | ug/L  | 97       |
| 64) 1,3-Dichlorobenzene        | 11.74 | 146  | 199039   | 17.264  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene        | 11.83 | 146  | 203410   | 17.089  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene        | 12.21 | 146  | 192868   | 17.776  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropropan | 12.99 | 75   | 19049    | 18.474  | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene     | 13.21 | 180  | 144887   | 17.943  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene     | 13.83 | 180  | 129269   | 19.822  | ug/L  | 97       |
| 71) Naphthalene                | 14.08 | 128  | 274445   | 24.459  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene     | 14.32 | 180  | 121895   | 20.715  | ug/L  | 99       |

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

