

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102820\  
 Data File : VU041000.D  
 Acq On : 28 Oct 2020 18:07  
 Operator : SY/MD  
 Sample : VSTD01005  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010105

Quant Time: Oct 29 01:32:16 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  | 122051   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 118030   | 5.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 60129    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |        |      |      |
|--------------------------------|-------|-----|--------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.60  | 65  | 83620  | 10.29  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.92  | 69  | 65597  | 9.80   | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.58  | 65  | 39719  | 9.65   | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.66  | 46  | 357033 | 115.30 | ug/L | 0.00 |
| 24) Chloroform-d               | 5.08  | 84  | 168200 | 10.36  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.72  | 65  | 102841 | 10.13  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.75  | 84  | 301575 | 9.87   | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.70  | 67  | 103141 | 10.13  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.91  | 98  | 271179 | 9.98   | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.19  | 79  | 45037  | 10.84  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.64  | 63  | 266550 | 123.61 | ug/L | 0.00 |
| 56) 1,1,2,2-Tetrachloroethane- | 10.75 | 84  | 93926  | 10.77  | ug/L | 0.00 |
| 66) 1,2-Dichlorobenzene-d4     | 12.19 | 152 | 99033  | 9.63   | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |        | Qvalue   |
|--------------------------------|------|-----|--------|--------|----------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 106152 | 8.592  | ug/L 97  |
| 3) Chloromethane               | 1.53 | 50  | 106721 | 8.708  | ug/L 99  |
| 5) Vinyl chloride              | 1.61 | 62  | 106458 | 8.770  | ug/L 98  |
| 6) Bromomethane                | 1.87 | 94  | 59321  | 9.165  | ug/L 100 |
| 8) Chloroethane                | 1.94 | 64  | 63952  | 8.878  | ug/L 96  |
| 9) Trichlorofluoromethane      | 2.15 | 101 | 147308 | 8.994  | ug/L 99  |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 88211  | 8.835  | ug/L 98  |
| 12) 1,1-Dichloroethene         | 2.59 | 96  | 80705  | 8.623  | ug/L 97  |
| 13) Acetone                    | 2.67 | 43  | 216039 | 94.115 | ug/L 78  |
| 14) Carbon disulfide           | 2.81 | 76  | 262994 | 8.178  | ug/L 98  |
| 15) Methyl Acetate             | 2.98 | 43  | 49441  | 8.677  | ug/L 97  |
| 16) Methylene chloride         | 3.06 | 84  | 93272  | 7.964  | ug/L 97  |
| 17) Methyl tert-butyl Ether    | 3.38 | 73  | 223478 | 9.130  | ug/L 98  |
| 18) trans-1,2-Dichloroethene   | 3.37 | 96  | 82325  | 8.454  | ug/L 95  |
| 19) 1,1-Dichloroethane         | 3.89 | 63  | 170460 | 8.809  | ug/L 99  |
| 21) 2-Butanone                 | 4.75 | 43  | 353355 | 93.846 | ug/L 98  |
| 22) cis-1,2-Dichloroethene     | 4.69 | 96  | 89116  | 8.699  | ug/L 99  |
| 23) Bromochloromethane         | 5.00 | 128 | 43291  | 8.946  | ug/L 97  |
| 25) Chloroform                 | 5.11 | 83  | 173919 | 8.953  | ug/L 99  |
| 27) 1,2-Dichloroethane         | 5.81 | 62  | 125033 | 8.897  | ug/L 100 |
| 29) 1,1,1-Trichloroethane      | 5.33 | 97  | 147406 | 9.052  | ug/L 99  |
| 30) Cyclohexane                | 5.41 | 56  | 151837 | 8.797  | ug/L 98  |
| 31) Carbon tetrachloride       | 5.54 | 117 | 127117 | 9.162  | ug/L 96  |
| 33) Benzene                    | 5.79 | 78  | 359269 | 8.990  | ug/L 100 |
| 34) Trichloroethene            | 6.56 | 95  | 94211  | 9.126  | ug/L 97  |
| 35) Methylcyclohexane          | 6.77 | 83  | 143878 | 9.035  | ug/L 97  |
| 37) 1,2-Dichloropropane        | 6.80 | 63  | 97919  | 8.733  | ug/L 99  |
| 38) Bromodichloromethane       | 7.11 | 83  | 123957 | 9.118  | ug/L 95  |
| 39) cis-1,3-Dichloropropene    | 7.62 | 75  | 138611 | 9.213  | ug/L 97  |
| 40) 4-Methyl-2-pentanone       | 7.80 | 43  | 821287 | 97.395 | ug/L 100 |

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 Operator : SY/MD  
 Sample : VSTD01005  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010105

Quant Time: Oct 29 01:32:16 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) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) Toluene                    | 7.98  | 91   | 379433   | 9.386  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene  | 8.22  | 75   | 129965   | 9.350  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane      | 8.41  | 97   | 70285    | 9.220  | ug/L  | 96       |
| 47) Tetrachloroethene          | 8.56  | 164  | 64875    | 8.657  | ug/L  | 94       |
| 48) 2-Hexanone                 | 8.69  | 43   | 598857   | 97.153 | ug/L  | 99       |
| 49) Dibromochloromethane       | 8.82  | 129  | 83642    | 9.550  | ug/L  | 98       |
| 50) 1,2-Dibromoethane          | 8.93  | 107  | 67370    | 9.168  | ug/L  | 99       |
| 51) Chlorobenzene              | 9.45  | 112  | 228382   | 8.796  | ug/L  | 99       |
| 52) Ethylbenzene               | 9.57  | 91   | 405993   | 9.210  | ug/L  | 99       |
| 53) m,p-Xylene                 | 9.69  | 106  | 150823   | 9.495  | ug/L  | 96       |
| 54) o-Xylene                   | 10.10 | 106  | 141355   | 9.245  | ug/L  | 98       |
| 55) Styrene                    | 10.11 | 104  | 253003   | 9.580  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane  | 10.78 | 83   | 91896    | 9.153  | ug/L  | 97       |
| 59) Bromoform                  | 10.29 | 173  | 45699    | 9.437  | ug/L  | 95       |
| 60) Isopropylbenzene           | 10.48 | 105  | 385801   | 9.444  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane     | 10.82 | 75   | 70966    | 9.181  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene     | 11.09 | 105  | 318677   | 9.733  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene     | 11.47 | 105  | 337545   | 10.145 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene        | 11.74 | 146  | 181085   | 8.900  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene        | 11.83 | 146  | 184592   | 8.788  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene        | 12.21 | 146  | 173837   | 9.079  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropropan | 12.99 | 75   | 17663    | 9.706  | ug/L  | 90       |
| 69) 1,3,5-Trichlorobenzene     | 13.21 | 180  | 125183   | 8.785  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene     | 13.83 | 180  | 108757   | 9.450  | ug/L  | 97       |
| 71) Naphthalene                | 14.08 | 128  | 218367   | 11.028 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene     | 14.32 | 180  | 107109   | 10.314 | ug/L  | 99       |

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

