

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\  
 Data File : VU038840.D  
 Acq On : 12 Jun 2020 09:56  
 Operator : SY/MD  
 Sample : VSTD00504  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00504

Quant Time: Jun 12 10:33:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR061220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jun 12 10:00:03 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 294316   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 292432   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.82 | 152  | 153235   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |      |      |
|--------------------------------|-------|-----|--------|-------|------|------|
| 4) Vinyl Chloride-d3           | 1.61  | 65  | 79486  | 4.17  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.93  | 69  | 63686  | 4.35  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.59  | 63  | 179927 | 4.80  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.68  | 46  | 249227 | 43.07 | ug/L | 0.00 |
| 24) Chloroform-d               | 5.10  | 84  | 177139 | 4.95  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.74  | 65  | 97369  | 4.79  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.76  | 84  | 342845 | 4.70  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.72  | 67  | 102479 | 4.56  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.92  | 98  | 320360 | 4.89  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.20  | 79  | 45466  | 4.71  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.65  | 63  | 201490 | 42.26 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77 | 84  | 84426  | 4.43  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 12.20 | 152 | 119910 | 4.54  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |        | Qvalue   |
|--------------------------------|------|-----|--------|--------|----------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 139436 | 6.011  | ug/L 98  |
| 3) Chloromethane               | 1.53 | 50  | 113215 | 5.315  | ug/L 100 |
| 5) Vinyl chloride              | 1.62 | 62  | 123204 | 5.398  | ug/L 99  |
| 6) Bromomethane                | 1.88 | 94  | 70258  | 6.341  | ug/L 98  |
| 8) Chloroethane                | 1.95 | 64  | 71991  | 5.264  | ug/L 96  |
| 9) Trichlorofluoromethane      | 2.16 | 101 | 182730 | 6.035  | ug/L 99  |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.61 | 101 | 105532 | 5.918  | ug/L 99  |
| 12) 1,1-Dichloroethene         | 2.60 | 96  | 98551  | 5.437  | ug/L 100 |
| 13) Acetone                    | 2.68 | 43  | 196547 | 51.902 | ug/L 100 |
| 14) Carbon disulfide           | 2.82 | 76  | 338615 | 5.506  | ug/L 99  |
| 15) Methyl Acetate             | 2.98 | 43  | 46524  | 5.015  | ug/L 96  |
| 16) Methylene chloride         | 3.08 | 84  | 109981 | 5.362  | ug/L 98  |
| 17) Methyl tert-butyl Ether    | 3.40 | 73  | 254948 | 5.364  | ug/L 99  |
| 18) trans-1,2-Dichloroethene   | 3.39 | 96  | 105840 | 5.418  | ug/L 99  |
| 19) 1,1-Dichloroethane         | 3.91 | 63  | 193424 | 5.533  | ug/L 100 |
| 21) 2-Butanone                 | 4.75 | 43  | 325556 | 51.111 | ug/L 93  |
| 22) cis-1,2-Dichloroethene     | 4.71 | 96  | 111882 | 5.319  | ug/L 95  |
| 23) Bromochloromethane         | 5.01 | 128 | 52193  | 5.514  | ug/L 99  |
| 25) Chloroform                 | 5.13 | 83  | 198082 | 5.578  | ug/L 99  |
| 27) 1,2-Dichloroethane         | 5.83 | 62  | 137855 | 5.514  | ug/L 97  |
| 29) 1,1,1-Trichloroethane      | 5.35 | 97  | 176290 | 5.697  | ug/L 100 |
| 30) Cyclohexane                | 5.42 | 56  | 173995 | 5.362  | ug/L 98  |
| 31) Carbon tetrachloride       | 5.56 | 117 | 150586 | 5.845  | ug/L 99  |
| 33) Benzene                    | 5.81 | 78  | 437766 | 5.368  | ug/L 100 |
| 34) Trichloroethene            | 6.57 | 95  | 113357 | 5.356  | ug/L 97  |
| 35) Methylcyclohexane          | 6.79 | 83  | 172891 | 5.276  | ug/L 98  |
| 37) 1,2-Dichloropropane        | 6.82 | 63  | 110124 | 5.367  | ug/L 100 |
| 38) Bromodichloromethane       | 7.13 | 83  | 139592 | 5.478  | ug/L 99  |
| 39) cis-1,3-Dichloropropene    | 7.63 | 75  | 163201 | 5.381  | ug/L 99  |
| 40) 4-Methyl-2-pentanone       | 7.82 | 43  | 715251 | 48.739 | ug/L 98  |

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 QLast Update : Fri Jun 12 10:00:03 2020  
 Response via : Initial Calibration

| Internal Standards              | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------------|-------|------|----------|--------|-------|----------|
| 42) Toluene                     | 7.99  | 91   | 464203   | 5.427  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene   | 8.23  | 75   | 145325   | 5.426  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane       | 8.42  | 97   | 82982    | 5.360  | ug/L  | 98       |
| 47) Tetrachloroethene           | 8.57  | 164  | 85297    | 5.547  | ug/L  | 97       |
| 48) 2-Hexanone                  | 8.71  | 43   | 556326   | 50.058 | ug/L  | 99       |
| 49) Dibromochloromethane        | 8.83  | 129  | 94044    | 5.628  | ug/L  | 96       |
| 50) 1,2-Dibromoethane           | 8.94  | 107  | 78277    | 5.281  | ug/L  | 98       |
| 51) Chlorobenzene               | 9.47  | 112  | 291628   | 5.287  | ug/L  | 98       |
| 52) Ethylbenzene                | 9.59  | 91   | 501886   | 5.274  | ug/L  | 99       |
| 53) m,p-Xylene                  | 9.71  | 106  | 194813   | 5.323  | ug/L  | 93       |
| 54) o-Xylene                    | 10.11 | 106  | 189087   | 5.382  | ug/L  | 99       |
| 55) Styrene                     | 10.13 | 104  | 325235   | 5.454  | ug/L  | 99       |
| 56) Isopropylbenzene            | 10.50 | 105  | 497364   | 5.379  | ug/L  | 99       |
| 58) 1,1,1,2,2-Tetrachloroethane | 10.80 | 83   | 99802    | 5.073  | ug/L  | 96       |
| 59) 1,2,3-Trichloropropane      | 10.84 | 75   | 76775    | 5.013  | ug/L  | 99       |
| 61) Bromoform                   | 10.31 | 173  | 51745    | 5.421  | ug/L  | 99       |
| 62) 1,3-Dichlorobenzene         | 11.76 | 146  | 236284   | 5.248  | ug/L  | 98       |
| 63) 1,4-Dichlorobenzene         | 11.85 | 146  | 238346   | 5.221  | ug/L  | 99       |
| 65) 1,2-Dichlorobenzene         | 12.22 | 146  | 221640   | 5.184  | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan  | 13.01 | 75   | 17241    | 4.981  | ug/L  | 96       |
| 67) 1,3,5-Trichlorobenzene      | 13.24 | 180  | 173983   | 5.180  | ug/L  | 98       |
| 68) 1,2,4-trichlorobenzene      | 13.87 | 180  | 152139   | 4.893  | ug/L  | 97       |
| 69) Naphthalene                 | 14.11 | 128  | 281776   | 4.554  | ug/L  | 100      |
| 70) 1,2,3-Trichlorobenzene      | 14.36 | 180  | 140928   | 4.982  | ug/L  | 97       |

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

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