

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062920\  
 Data File : VU039181.D  
 Acq On : 29 Jun 2020 10:21  
 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 29 10:39:23 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR062920WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Jun 29 09:55:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 234164   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 236002   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.82 | 152  | 117592   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |      |      |
|--------------------------------|-------|-----|--------|-------|------|------|
| 4) Vinyl Chloride-d3           | 1.61  | 65  | 111736 | 6.52  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.93  | 69  | 87820  | 6.20  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.59  | 63  | 207625 | 6.30  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.68  | 46  | 344605 | 55.68 | ug/L | 0.00 |
| 24) Chloroform-d               | 5.10  | 84  | 200213 | 5.94  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.74  | 65  | 118783 | 5.73  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.76  | 84  | 380894 | 5.82  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.72  | 67  | 120200 | 5.46  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.92  | 98  | 337665 | 6.17  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.20  | 79  | 57532  | 6.02  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.65  | 63  | 272300 | 55.20 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77 | 84  | 127777 | 6.25  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 12.20 | 152 | 122019 | 5.57  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |        | Qvalue   |
|--------------------------------|------|-----|--------|--------|----------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 119475 | 5.701  | ug/L 100 |
| 3) Chloromethane               | 1.53 | 50  | 117326 | 5.202  | ug/L 95  |
| 5) Vinyl chloride              | 1.62 | 62  | 120719 | 5.307  | ug/L 100 |
| 6) Bromomethane                | 1.88 | 94  | 64284  | 5.249  | ug/L 100 |
| 8) Chloroethane                | 1.95 | 64  | 72216  | 5.268  | ug/L 100 |
| 9) Trichlorofluoromethane      | 2.16 | 101 | 163457 | 5.613  | ug/L 99  |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.61 | 101 | 92376  | 5.449  | ug/L 99  |
| 12) 1,1-Dichloroethene         | 2.61 | 96  | 85775  | 5.289  | ug/L 93  |
| 13) Acetone                    | 2.68 | 43  | 197161 | 46.916 | ug/L 99  |
| 14) Carbon disulfide           | 2.82 | 76  | 304540 | 5.632  | ug/L 98  |
| 15) Methyl Acetate             | 2.99 | 43  | 49637  | 4.975  | ug/L 98  |
| 16) Methylene chloride         | 3.08 | 84  | 101203 | 5.058  | ug/L 100 |
| 17) Methyl tert-butyl Ether    | 3.40 | 73  | 235550 | 5.102  | ug/L 98  |
| 18) trans-1,2-Dichloroethene   | 3.39 | 96  | 92148  | 5.310  | ug/L 97  |
| 19) 1,1-Dichloroethane         | 3.91 | 63  | 177633 | 5.149  | ug/L 99  |
| 21) 2-Butanone                 | 4.76 | 43  | 327446 | 51.249 | ug/L 100 |
| 22) cis-1,2-Dichloroethene     | 4.71 | 96  | 94953  | 5.071  | ug/L 95  |
| 23) Bromochloromethane         | 5.02 | 128 | 44659  | 5.182  | ug/L 99  |
| 25) Chloroform                 | 5.12 | 83  | 177207 | 5.113  | ug/L 97  |
| 27) 1,2-Dichloroethane         | 5.83 | 62  | 128958 | 5.222  | ug/L 99  |
| 29) 1,1,1-Trichloroethane      | 5.35 | 97  | 156975 | 5.330  | ug/L 99  |
| 30) Cyclohexane                | 5.42 | 56  | 149688 | 5.462  | ug/L 97  |
| 31) Carbon tetrachloride       | 5.56 | 117 | 132916 | 5.419  | ug/L 99  |
| 33) Benzene                    | 5.81 | 78  | 382496 | 5.158  | ug/L 100 |
| 34) Trichloroethene            | 6.57 | 95  | 95938  | 5.349  | ug/L 96  |
| 35) Methylcyclohexane          | 6.79 | 83  | 149115 | 5.603  | ug/L 99  |
| 37) 1,2-Dichloropropane        | 6.82 | 63  | 101724 | 5.064  | ug/L 100 |
| 38) Bromodichloromethane       | 7.13 | 83  | 131736 | 5.260  | ug/L 98  |
| 39) cis-1,3-Dichloropropene    | 7.63 | 75  | 146537 | 5.263  | ug/L 97  |
| 40) 4-Methyl-2-pentanone       | 7.82 | 43  | 750485 | 50.053 | ug/L 99  |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 42) Toluene                    | 7.99  | 91   | 395903   | 5.379  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene  | 8.23  | 75   | 139516   | 5.355  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane      | 8.42  | 97   | 74334    | 4.979  | ug/L   | 94       |
| 47) Tetrachloroethene          | 8.57  | 164  | 70771    | 5.475  | ug/L   | 96       |
| 48) 2-Hexanone                 | 8.71  | 43   | 575611   | 52.366 | ug/L   | 99       |
| 49) Dibromochloromethane       | 8.83  | 129  | 85095    | 5.241  | ug/L   | 97       |
| 50) 1,2-Dibromoethane          | 8.94  | 107  | 73327    | 5.194  | ug/L   | 96       |
| 51) Chlorobenzene              | 9.46  | 112  | 238408   | 5.146  | ug/L   | 99       |
| 52) Ethylbenzene               | 9.59  | 91   | 409370   | 5.291  | ug/L   | 100      |
| 53) m,p-Xylene                 | 9.71  | 106  | 157632   | 5.541  | ug/L   | 100      |
| 54) o-Xylene                   | 10.11 | 106  | 149555   | 5.472  | ug/L   | 100      |
| 55) Styrene                    | 10.13 | 104  | 262659   | 5.473  | ug/L   | 100      |
| 56) Isopropylbenzene           | 10.50 | 105  | 440929   | 6.158  | ug/L   | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 10.80 | 83   | 119190   | 5.970  | ug/L   | 97       |
| 59) 1,2,3-Trichloropropane     | 10.84 | 75   | 86201    | 5.691  | ug/L   | 99       |
| 61) Bromoform                  | 10.31 | 173  | 47914    | 4.988  | ug/L # | 100      |
| 62) 1,3-Dichlorobenzene        | 11.75 | 146  | 194305   | 5.557  | ug/L   | 98       |
| 63) 1,4-Dichlorobenzene        | 11.85 | 146  | 187414   | 5.204  | ug/L   | 97       |
| 65) 1,2-Dichlorobenzene        | 12.22 | 146  | 176653   | 5.039  | ug/L   | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 13.01 | 75   | 18591    | 4.807  | ug/L   | 96       |
| 67) 1,3,5-Trichlorobenzene     | 13.24 | 180  | 132744   | 5.130  | ug/L   | 98       |
| 68) 1,2,4-trichlorobenzene     | 13.87 | 180  | 118353   | 5.021  | ug/L   | 98       |
| 69) Naphthalene                | 14.11 | 128  | 220431   | 4.384  | ug/L   | 100      |
| 70) 1,2,3-Trichlorobenzene     | 14.36 | 180  | 111744   | 4.912  | ug/L   | 98       |

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

