

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\  
 Data File : VU040351.D  
 Acq On : 29 Sep 2020 10:54  
 Operator : SY/MD  
 Sample : VSTD02002  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD02002

Quant Time: Sep 30 01:14:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR092920WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Sep 30 01:04:50 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 141227   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 136532   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 74865    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |        |      |      |
|--------------------------------|-------|-----|--------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.60  | 65  | 140928 | 18.81  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.92  | 69  | 113821 | 18.04  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.58  | 63  | 347118 | 18.32  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.65  | 46  | 739007 | 237.48 | ug/L | 0.00 |
| 24) Chloroform-d               | 5.08  | 84  | 343012 | 19.55  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.72  | 65  | 196042 | 18.13  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.74  | 84  | 585486 | 19.11  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.70  | 67  | 208470 | 20.18  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.91  | 98  | 515120 | 18.47  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.19  | 79  | 90315  | 19.45  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.64  | 63  | 586944 | 257.30 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75 | 84  | 204069 | 22.44  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 12.19 | 152 | 234243 | 19.64  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |         |         | Qvalue   |
|--------------------------------|------|-----|---------|---------|----------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 286454  | 20.620  | ug/L 99  |
| 3) Chloromethane               | 1.53 | 50  | 268886  | 20.037  | ug/L 99  |
| 5) Vinyl chloride              | 1.61 | 62  | 276084  | 20.415  | ug/L 99  |
| 6) Bromomethane                | 1.87 | 94  | 138248  | 20.186  | ug/L 98  |
| 8) Chloroethane                | 1.94 | 64  | 148268  | 18.247  | ug/L 96  |
| 9) Trichlorofluoromethane      | 2.14 | 101 | 378855  | 19.842  | ug/L 98  |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 237878  | 19.159  | ug/L 98  |
| 12) 1,1-Dichloroethene         | 2.59 | 96  | 220036  | 20.417  | ug/L 95  |
| 13) Acetone                    | 2.66 | 43  | 560029  | 202.008 | ug/L 98  |
| 14) Carbon disulfide           | 2.81 | 76  | 682230  | 19.713  | ug/L 100 |
| 15) Methyl Acetate             | 2.97 | 43  | 135060  | 18.999  | ug/L 97  |
| 16) Methylene chloride         | 3.06 | 84  | 243948  | 17.268  | ug/L 94  |
| 17) Methyl tert-butyl Ether    | 3.38 | 73  | 638627  | 20.010  | ug/L 98  |
| 18) trans-1,2-Dichloroethene   | 3.37 | 96  | 228417  | 19.667  | ug/L 97  |
| 19) 1,1-Dichloroethane         | 3.89 | 63  | 456949  | 19.221  | ug/L 99  |
| 21) 2-Butanone                 | 4.73 | 43  | 971368  | 211.952 | ug/L 99  |
| 22) cis-1,2-Dichloroethene     | 4.69 | 96  | 253968  | 20.241  | ug/L 98  |
| 23) Bromochloromethane         | 4.99 | 128 | 113976  | 20.743  | ug/L 99  |
| 25) Chloroform                 | 5.11 | 83  | 462236  | 18.983  | ug/L 99  |
| 27) 1,2-Dichloroethane         | 5.81 | 62  | 327773  | 18.684  | ug/L 98  |
| 29) 1,1,1-Trichloroethane      | 5.33 | 97  | 395871  | 19.061  | ug/L 99  |
| 30) Cyclohexane                | 5.40 | 56  | 442062  | 21.728  | ug/L 99  |
| 31) Carbon tetrachloride       | 5.54 | 117 | 344189  | 19.272  | ug/L 100 |
| 33) Benzene                    | 5.79 | 78  | 978017  | 20.329  | ug/L 100 |
| 34) Trichloroethene            | 6.55 | 95  | 254171  | 19.845  | ug/L 96  |
| 35) Methylcyclohexane          | 6.77 | 83  | 417540  | 21.333  | ug/L 97  |
| 37) 1,2-Dichloropropane        | 6.80 | 63  | 267302  | 20.655  | ug/L 100 |
| 38) Bromodichloromethane       | 7.11 | 83  | 337177  | 19.174  | ug/L 99  |
| 39) cis-1,3-Dichloropropene    | 7.62 | 75  | 399320  | 21.235  | ug/L 95  |
| 40) 4-Methyl-2-pentanone       | 7.80 | 43  | 2269499 | 214.198 | ug/L 99  |

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 QLast Update : Wed Sep 30 01:04:50 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 42) Toluene                    | 7.98  | 91   | 1022971  | 20.679  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene  | 8.21  | 75   | 365442   | 20.916  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane      | 8.40  | 97   | 187946   | 20.019  | ug/L   | 98       |
| 47) Tetrachloroethene          | 8.56  | 164  | 181758   | 21.272  | ug/L   | 98       |
| 48) 2-Hexanone                 | 8.69  | 43   | 1664470  | 216.145 | ug/L   | 100      |
| 49) Dibromochloromethane       | 8.82  | 129  | 226069   | 20.051  | ug/L   | 100      |
| 50) 1,2-Dibromoethane          | 8.93  | 107  | 183604   | 20.154  | ug/L # | 93       |
| 51) Chlorobenzene              | 9.45  | 112  | 644112   | 20.797  | ug/L   | 99       |
| 52) Ethylbenzene               | 9.57  | 91   | 1166781  | 20.961  | ug/L   | 99       |
| 53) m,p-Xylene                 | 9.69  | 106  | 435242   | 21.770  | ug/L   | 100      |
| 54) o-Xylene                   | 10.10 | 106  | 418182   | 22.000  | ug/L   | 97       |
| 55) Styrene                    | 10.11 | 104  | 732597   | 22.060  | ug/L   | 98       |
| 56) Isopropylbenzene           | 10.48 | 105  | 1134955  | 21.963  | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.78 | 83   | 251262   | 20.482  | ug/L   | 99       |
| 59) 1,2,3-Trichloropropane     | 10.82 | 75   | 191221   | 19.982  | ug/L   | 100      |
| 61) Bromoform                  | 10.29 | 173  | 131027   | 19.611  | ug/L   | 97       |
| 62) 1,3-Dichlorobenzene        | 11.74 | 146  | 534996   | 19.887  | ug/L   | 98       |
| 63) 1,4-Dichlorobenzene        | 11.83 | 146  | 539149   | 19.868  | ug/L   | 100      |
| 65) 1,2-Dichlorobenzene        | 12.21 | 146  | 508660   | 19.581  | ug/L   | 98       |
| 66) 1,2-Dibromo-3-chloropropan | 12.99 | 75   | 46610    | 17.570  | ug/L   | 93       |
| 67) 1,3,5-Trichlorobenzene     | 13.21 | 180  | 393963   | 20.916  | ug/L   | 100      |
| 68) 1,2,4-trichlorobenzene     | 13.83 | 180  | 348856   | 21.836  | ug/L   | 99       |
| 69) Naphthalene                | 14.08 | 128  | 693501   | 21.693  | ug/L   | 99       |
| 70) 1,2,3-Trichlorobenzene     | 14.32 | 180  | 317990   | 21.603  | ug/L   | 99       |

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

