

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU082619\  
 Data File : VU033950.D  
 Acq On : 26 Aug 2019 12:18  
 Operator : JC/SP  
 Sample : VSTD02004  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD02004

Quant Time: Aug 27 01:25:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR082619WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Aug 27 01:19:55 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 264703   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 277087   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 155439   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |        |      |       |
|--------------------------------|-------|-----|---------|--------|------|-------|
| 4) Vinyl Chloride-d3           | 1.39  | 65  | 481999  | 21.15  | ug/L | 0.00  |
| 7) Chloroethane-d5             | 1.66  | 69  | 391624  | 19.42  | ug/L | 0.00  |
| 11) 1,1-Dichloroethene-d2      | 2.26  | 63  | 929362  | 20.57  | ug/L | 0.00  |
| 20) 2-Butanone-d5              | 4.16  | 46  | 1285568 | 271.00 | ug/L | -0.01 |
| 24) Chloroform-d               | 4.62  | 84  | 816219  | 21.49  | ug/L | 0.00  |
| 26) 1,2-Dichloroethane-d4      | 5.28  | 65  | 428133  | 20.76  | ug/L | 0.00  |
| 32) Benzene-d6                 | 5.31  | 84  | 1652064 | 23.32  | ug/L | 0.00  |
| 36) 1,2-Dichloropropane-d6     | 6.31  | 67  | 521961  | 22.48  | ug/L | 0.00  |
| 41) Toluene-d8                 | 7.54  | 98  | 1497808 | 22.90  | ug/L | 0.00  |
| 43) trans-1,3-Dichloropropene- | 7.83  | 79  | 215974  | 24.73  | ug/L | 0.00  |
| 46) 2-Hexanone-d5              | 8.29  | 63  | 1049301 | 318.90 | ug/L | 0.00  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41 | 84  | 448736  | 22.70  | ug/L | 0.00  |
| 64) 1,2-Dichlorobenzene-d4     | 11.84 | 152 | 595686  | 21.98  | ug/L | 0.00  |

## Target Compounds

|                                |      |     |         |              | Qvalue |
|--------------------------------|------|-----|---------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.20 | 85  | 641621  | 25.142 ug/L  | 99     |
| 3) Chloromethane               | 1.32 | 50  | 635747  | 25.538 ug/L  | 100    |
| 5) Vinyl chloride              | 1.39 | 62  | 668653  | 24.227 ug/L  | 100    |
| 6) Bromomethane                | 1.60 | 94  | 308050  | 18.195 ug/L  | 98     |
| 8) Chloroethane                | 1.68 | 64  | 382103  | 23.447 ug/L  | 98     |
| 9) Trichlorofluoromethane      | 1.87 | 101 | 755326  | 22.151 ug/L  | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101 | 420938  | 21.369 ug/L  | 99     |
| 12) 1,1-Dichloroethene         | 2.27 | 96  | 404698  | 21.613 ug/L  | 99     |
| 13) Acetone                    | 2.30 | 43  | 875658  | 239.870 ug/L | 99     |
| 14) Carbon disulfide           | 2.46 | 76  | 1432480 | 22.104 ug/L  | 100    |
| 15) Methyl Acetate             | 2.60 | 43  | 242747  | 26.130 ug/L  | 98     |
| 16) Methylene chloride         | 2.68 | 84  | 449990  | 20.497 ug/L  | 99     |
| 17) Methyl tert-butyl Ether    | 2.98 | 73  | 1108318 | 23.208 ug/L  | 99     |
| 18) trans-1,2-Dichloroethene   | 2.96 | 96  | 437958  | 21.274 ug/L  | 99     |
| 19) 1,1-Dichloroethane         | 3.42 | 63  | 870764  | 27.214 ug/L  | 100    |
| 21) 2-Butanone                 | 4.24 | 43  | 1448951 | 338.376 ug/L | 98     |
| 22) cis-1,2-Dichloroethene     | 4.20 | 96  | 490964  | 28.646 ug/L  | 97     |
| 23) Bromochloromethane         | 4.52 | 128 | 214009  | 25.977 ug/L  | 99     |
| 25) Chloroform                 | 4.65 | 83  | 827521  | 23.382 ug/L  | 100    |
| 27) 1,2-Dichloroethane         | 5.38 | 62  | 553559  | 26.923 ug/L  | 100    |
| 29) 1,1,1-Trichloroethane      | 4.89 | 97  | 694915  | 25.664 ug/L  | 99     |
| 30) Cyclohexane                | 4.96 | 56  | 804661  | 33.505 ug/L  | 99     |
| 31) Carbon tetrachloride       | 5.11 | 117 | 621246  | 25.589 ug/L  | 100    |
| 33) Benzene                    | 5.36 | 78  | 1851519 | 27.776 ug/L  | 100    |
| 34) Trichloroethene            | 6.16 | 95  | 465546  | 26.526 ug/L  | 97     |
| 35) Methylcyclohexane          | 6.39 | 83  | 815245  | 32.438 ug/L  | 96     |
| 37) 1,2-Dichloropropane        | 6.41 | 63  | 491779  | 27.833 ug/L  | 99     |
| 38) Bromodichloromethane       | 6.73 | 83  | 601183  | 26.684 ug/L  | 100    |
| 39) cis-1,3-Dichloropropene    | 7.25 | 75  | 752294  | 32.199 ug/L  | 99     |
| 40) 4-Methyl-2-pentanone       | 7.44 | 43  | 3444124 | 343.905 ug/L | 97     |

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 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Aug 27 01:19:55 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 42) Toluene                    | 7.61  | 91   | 1956846  | 28.974  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene  | 7.86  | 75   | 606909   | 30.948  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane      | 8.05  | 97   | 339164   | 27.235  | ug/L  | 99       |
| 47) Tetrachloroethene          | 8.21  | 164  | 370320   | 25.846  | ug/L  | 99       |
| 48) 2-Hexanone                 | 8.34  | 43   | 2480528  | 341.614 | ug/L  | 99       |
| 49) Dibromochloromethane       | 8.46  | 129  | 403595   | 26.216  | ug/L  | 97       |
| 50) 1,2-Dibromoethane          | 8.57  | 107  | 328702   | 27.497  | ug/L  | 99       |
| 51) Chlorobenzene              | 9.10  | 112  | 1242573  | 27.888  | ug/L  | 100      |
| 52) Ethylbenzene               | 9.23  | 91   | 2203820  | 32.170  | ug/L  | 98       |
| 53) m,p-Xylene                 | 9.35  | 106  | 829617   | 32.156  | ug/L  | 98       |
| 54) o-Xylene                   | 9.76  | 106  | 811598   | 32.763  | ug/L  | 100      |
| 55) Styrene                    | 9.77  | 104  | 1408120  | 32.665  | ug/L  | 99       |
| 56) Isopropylbenzene           | 10.15 | 105  | 2162158  | 33.832  | ug/L  | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.44 | 83   | 459437   | 28.883  | ug/L  | 99       |
| 59) 1,2,3-Trichloropropane     | 10.48 | 75   | 334294   | 28.817  | ug/L  | 99       |
| 61) Bromoform                  | 9.94  | 173  | 242633   | 26.206  | ug/L  | 99       |
| 62) 1,3-Dichlorobenzene        | 11.40 | 146  | 1031562  | 27.604  | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene        | 11.49 | 146  | 1029147  | 26.727  | ug/L  | 99       |
| 65) 1,2-Dichlorobenzene        | 11.86 | 146  | 973240   | 26.982  | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 12.64 | 75   | 78649    | 30.297  | ug/L  | 96       |
| 67) 1,3,5-Trichlorobenzene     | 12.87 | 180  | 831841   | 29.210  | ug/L  | 99       |
| 68) 1,2,4-trichlorobenzene     | 13.48 | 180  | 703783   | 33.617  | ug/L  | 100      |
| 69) Naphthalene                | 13.73 | 128  | 1277471  | 41.070  | ug/L  | 100      |
| 70) 1,2,3-Trichlorobenzene     | 13.97 | 180  | 658988   | 32.959  | ug/L  | 98       |

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

