

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U082019\  
 Data File : VU033846.D  
 Acq On : 20 Aug 2019 11:40  
 Operator : JC/SP  
 Sample : VSTD02003  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD02003

Quant Time: Aug 21 05:11:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR082019WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Aug 21 05:04:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 190267   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 200670   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 117367   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |        |      |      |
|--------------------------------|-------|-----|---------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.39  | 65  | 317822  | 19.61  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.66  | 69  | 277059  | 19.15  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.26  | 63  | 640945  | 19.70  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.16  | 46  | 703398  | 218.83 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.62  | 84  | 535782  | 19.83  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.29  | 65  | 275953  | 18.91  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.32  | 84  | 1064555 | 21.19  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.31  | 67  | 333126  | 20.35  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.55  | 98  | 1039784 | 22.21  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.83  | 79  | 141477  | 22.47  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.30  | 63  | 614931  | 273.95 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41 | 84  | 289383  | 20.50  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.84 | 152 | 418762  | 20.56  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |         |         | Qvalue   |
|--------------------------------|------|-----|---------|---------|----------|
| 2) Dichlorodifluoromethane     | 1.20 | 85  | 340103  | 19.726  | ug/L 100 |
| 3) Chloromethane               | 1.32 | 50  | 315019  | 18.817  | ug/L 99  |
| 5) Vinyl chloride              | 1.39 | 62  | 360983  | 19.167  | ug/L 100 |
| 6) Bromomethane                | 1.60 | 94  | 229531  | 18.609  | ug/L 99  |
| 8) Chloroethane                | 1.68 | 64  | 214133  | 19.370  | ug/L 97  |
| 9) Trichlorofluoromethane      | 1.87 | 101 | 464061  | 19.383  | ug/L 99  |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101 | 265880  | 19.182  | ug/L 100 |
| 12) 1,1-Dichloroethene         | 2.27 | 96  | 255409  | 19.409  | ug/L 98  |
| 13) Acetone                    | 2.31 | 43  | 452849  | 184.274 | ug/L 98  |
| 14) Carbon disulfide           | 2.46 | 76  | 874872  | 19.344  | ug/L 99  |
| 15) Methyl Acetate             | 2.60 | 43  | 119552  | 19.417  | ug/L 99  |
| 16) Methylene chloride         | 2.68 | 84  | 277297  | 17.956  | ug/L 99  |
| 17) Methyl tert-butyl Ether    | 2.98 | 73  | 646431  | 19.579  | ug/L 100 |
| 18) trans-1,2-Dichloroethene   | 2.96 | 96  | 272290  | 18.778  | ug/L 99  |
| 19) 1,1-Dichloroethane         | 3.42 | 63  | 409853  | 19.492  | ug/L 99  |
| 21) 2-Butanone                 | 4.25 | 43  | 575631  | 218.442 | ug/L 97  |
| 22) cis-1,2-Dichloroethene     | 4.20 | 96  | 239096  | 20.966  | ug/L 92  |
| 23) Bromochloromethane         | 4.52 | 128 | 107076  | 19.420  | ug/L 94  |
| 25) Chloroform                 | 4.65 | 83  | 417654  | 17.569  | ug/L 98  |
| 27) 1,2-Dichloroethane         | 5.38 | 62  | 269302  | 19.952  | ug/L 96  |
| 29) 1,1,1-Trichloroethane      | 4.89 | 97  | 355807  | 19.562  | ug/L 97  |
| 30) Cyclohexane                | 4.96 | 56  | 351262  | 22.868  | ug/L 99  |
| 31) Carbon tetrachloride       | 5.11 | 117 | 321335  | 19.594  | ug/L 99  |
| 33) Benzene                    | 5.36 | 78  | 916352  | 20.810  | ug/L 100 |
| 34) Trichloroethene            | 6.16 | 95  | 231066  | 19.559  | ug/L 93  |
| 35) Methylcyclohexane          | 6.39 | 83  | 388209  | 23.515  | ug/L 96  |
| 37) 1,2-Dichloropropane        | 6.41 | 63  | 237302  | 20.365  | ug/L 99  |
| 38) Bromodichloromethane       | 6.74 | 83  | 295951  | 19.722  | ug/L 99  |
| 39) cis-1,3-Dichloropropene    | 7.25 | 75  | 353156  | 22.937  | ug/L 98  |
| 40) 4-Methyl-2-pentanone       | 7.45 | 43  | 1427219 | 231.285 | ug/L 98  |

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| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 42) Toluene                    | 7.62  | 91   | 1014753  | 22.497  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene  | 7.86  | 75   | 290233   | 22.541  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane      | 8.05  | 97   | 167548   | 20.092  | ug/L   | 99       |
| 47) Tetrachloroethene          | 8.21  | 164  | 196956   | 20.323  | ug/L   | 97       |
| 48) 2-Hexanone                 | 8.35  | 43   | 1041625  | 231.012 | ug/L   | 98       |
| 49) Dibromochloromethane       | 8.46  | 129  | 212702   | 20.430  | ug/L   | 98       |
| 50) 1,2-Dibromoethane          | 8.57  | 107  | 164689   | 20.662  | ug/L # | 99       |
| 51) Chlorobenzene              | 9.10  | 112  | 619146   | 20.754  | ug/L   | 99       |
| 52) Ethylbenzene               | 9.23  | 91   | 1080642  | 23.935  | ug/L   | 100      |
| 53) m,p-Xylene                 | 9.36  | 106  | 422838   | 24.950  | ug/L   | 97       |
| 54) o-Xylene                   | 9.76  | 106  | 405720   | 24.964  | ug/L   | 100      |
| 55) Styrene                    | 9.77  | 104  | 715512   | 25.402  | ug/L   | 99       |
| 56) Isopropylbenzene           | 10.15 | 105  | 1074832  | 25.560  | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.44 | 83   | 220258   | 21.040  | ug/L # | 97       |
| 59) 1,2,3-Trichloropropane     | 10.48 | 75   | 156068   | 20.440  | ug/L   | 100      |
| 61) Bromoform                  | 9.94  | 173  | 124302   | 19.174  | ug/L   | 99       |
| 62) 1,3-Dichlorobenzene        | 11.40 | 146  | 538273   | 20.644  | ug/L   | 98       |
| 63) 1,4-Dichlorobenzene        | 11.49 | 146  | 544141   | 20.296  | ug/L   | 99       |
| 65) 1,2-Dichlorobenzene        | 11.86 | 146  | 514916   | 20.407  | ug/L   | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 12.64 | 75   | 35608    | 19.949  | ug/L   | 91       |
| 67) 1,3,5-Trichlorobenzene     | 12.87 | 180  | 422124   | 21.330  | ug/L   | 99       |
| 68) 1,2,4-trichlorobenzene     | 13.49 | 180  | 346846   | 24.080  | ug/L   | 98       |
| 69) Naphthalene                | 13.73 | 128  | 586795   | 29.772  | ug/L   | 99       |
| 70) 1,2,3-Trichlorobenzene     | 13.97 | 180  | 327871   | 24.230  | ug/L   | 99       |

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

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