

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100719\  
 Data File : VU034951.D  
 Acq On : 07 Oct 2019 10:42  
 Operator : JC/SP  
 Sample : VSTD00501  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00501

Quant Time: Oct 09 01:55:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Oct 09 01:50:37 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 206674   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 205054   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 105139   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |      |      |
|--------------------------------|-------|-----|--------|-------|------|------|
| 4) Vinyl Chloride-d3           | 1.39  | 65  | 58110  | 3.09  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.67  | 69  | 55622  | 3.46  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.26  | 63  | 123374 | 3.36  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.18  | 46  | 173813 | 46.11 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.62  | 84  | 107167 | 3.76  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.29  | 65  | 64426  | 4.09  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.32  | 84  | 230470 | 4.22  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.31  | 67  | 76560  | 4.39  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.54  | 98  | 228266 | 4.40  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.83  | 79  | 27160  | 3.96  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.30  | 63  | 137366 | 47.39 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41 | 84  | 64085  | 4.40  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.84 | 152 | 83426  | 4.22  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |        | Qvalue   |
|--------------------------------|------|-----|--------|--------|----------|
| 2) Dichlorodifluoromethane     | 1.20 | 85  | 91623  | 5.193  | ug/L 100 |
| 3) Chloromethane               | 1.32 | 50  | 98936  | 4.882  | ug/L 100 |
| 5) Vinyl chloride              | 1.40 | 62  | 99564  | 4.636  | ug/L 100 |
| 6) Bromomethane                | 1.62 | 94  | 51953  | 3.911  | ug/L 100 |
| 8) Chloroethane                | 1.69 | 64  | 60368  | 4.394  | ug/L 100 |
| 9) Trichlorofluoromethane      | 1.88 | 101 | 119440 | 4.003  | ug/L 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101 | 66330  | 3.995  | ug/L 100 |
| 12) 1,1-Dichloroethene         | 2.27 | 96  | 64396  | 4.008  | ug/L 100 |
| 13) Acetone                    | 2.32 | 43  | 139688 | 42.632 | ug/L 100 |
| 14) Carbon disulfide           | 2.46 | 76  | 212974 | 4.093  | ug/L 100 |
| 15) Methyl Acetate             | 2.61 | 43  | 35928  | 4.405  | ug/L 100 |
| 16) Methylene chloride         | 2.68 | 84  | 73929  | 3.783  | ug/L 100 |
| 17) Methyl tert-butyl Ether    | 2.99 | 73  | 173836 | 4.137  | ug/L 100 |
| 18) trans-1,2-Dichloroethene   | 2.96 | 96  | 68611  | 3.879  | ug/L 100 |
| 19) 1,1-Dichloroethane         | 3.42 | 63  | 137242 | 4.931  | ug/L 100 |
| 21) 2-Butanone                 | 4.26 | 43  | 210214 | 53.518 | ug/L 100 |
| 22) cis-1,2-Dichloroethene     | 4.20 | 96  | 74511  | 4.792  | ug/L 100 |
| 23) Bromochloromethane         | 4.52 | 128 | 33378  | 4.875  | ug/L 100 |
| 25) Chloroform                 | 4.65 | 83  | 150252 | 4.837  | ug/L 100 |
| 27) 1,2-Dichloroethane         | 5.39 | 62  | 88503  | 4.884  | ug/L 100 |
| 29) 1,1,1-Trichloroethane      | 4.89 | 97  | 111003 | 4.766  | ug/L 100 |
| 30) Cyclohexane                | 4.97 | 56  | 122785 | 5.597  | ug/L 100 |
| 31) Carbon tetrachloride       | 5.11 | 117 | 98285  | 4.806  | ug/L 100 |
| 33) Benzene                    | 5.36 | 78  | 300206 | 5.163  | ug/L 100 |
| 34) Trichloroethene            | 6.16 | 95  | 77273  | 5.025  | ug/L 100 |
| 35) Methylcyclohexane          | 6.39 | 83  | 125412 | 5.336  | ug/L 100 |
| 37) 1,2-Dichloropropane        | 6.41 | 63  | 80384  | 5.113  | ug/L 100 |
| 38) Bromodichloromethane       | 6.74 | 83  | 93673  | 4.742  | ug/L 100 |
| 39) cis-1,3-Dichloropropene    | 7.25 | 75  | 109200 | 4.903  | ug/L 100 |
| 40) 4-Methyl-2-pentanone       | 7.45 | 43  | 500844 | 54.938 | ug/L 100 |

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 QLast Update : Wed Oct 09 01:50:37 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) Toluene                    | 7.61  | 91   | 322203   | 5.175  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene  | 7.86  | 75   | 86018    | 4.832  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane      | 8.05  | 97   | 53859    | 4.846  | ug/L  | 100      |
| 47) Tetrachloroethene          | 8.21  | 164  | 61606    | 4.990  | ug/L  | 100      |
| 48) 2-Hexanone                 | 8.35  | 43   | 354322   | 53.701 | ug/L  | 100      |
| 49) Dibromochloromethane       | 8.46  | 129  | 63525    | 4.787  | ug/L  | 100      |
| 50) 1,2-Dibromoethane          | 8.57  | 107  | 51529    | 4.863  | ug/L  | 100      |
| 51) Chlorobenzene              | 9.10  | 112  | 201735   | 4.961  | ug/L  | 100      |
| 52) Ethylbenzene               | 9.23  | 91   | 350445   | 5.238  | ug/L  | 100      |
| 53) m,p-Xylene                 | 9.35  | 106  | 130492   | 5.205  | ug/L  | 100      |
| 54) o-Xylene                   | 9.76  | 106  | 126700   | 5.281  | ug/L  | 100      |
| 55) Styrene                    | 9.77  | 104  | 209697   | 5.074  | ug/L  | 100      |
| 56) Isopropylbenzene           | 10.14 | 105  | 337010   | 5.266  | ug/L  | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 10.43 | 83   | 71821    | 5.025  | ug/L  | 100      |
| 59) 1,2,3-Trichloropropane     | 10.47 | 75   | 51191    | 5.025  | ug/L  | 100      |
| 61) Bromoform                  | 9.94  | 173  | 33473    | 4.745  | ug/L  | 100      |
| 62) 1,3-Dichlorobenzene        | 11.40 | 146  | 157388   | 5.018  | ug/L  | 100      |
| 63) 1,4-Dichlorobenzene        | 11.49 | 146  | 156779   | 4.788  | ug/L  | 100      |
| 65) 1,2-Dichlorobenzene        | 11.85 | 146  | 152083   | 4.904  | ug/L  | 100      |
| 66) 1,2-Dibromo-3-chloropropan | 12.64 | 75   | 10222    | 4.444  | ug/L  | 100      |
| 67) 1,3,5-Trichlorobenzene     | 12.86 | 180  | 109081   | 4.520  | ug/L  | 100      |
| 68) 1,2,4-trichlorobenzene     | 13.48 | 180  | 81004    | 4.237  | ug/L  | 100      |
| 69) Naphthalene                | 13.72 | 128  | 120564   | 3.785  | ug/L  | 100      |
| 70) 1,2,3-Trichlorobenzene     | 13.97 | 180  | 77968    | 4.330  | ug/L  | 100      |

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

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