

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041819\  
 Data File : VU031267.D  
 Acq On : 17 Apr 2019 19:26  
 Operator : JC/SP  
 Sample : VSTD00504  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00504

Quant Time: Apr 18 08:01:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR041819WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Apr 18 07:57:48 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 337343   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 311534   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 149344   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |      |      |
|--------------------------------|-------|-----|--------|-------|------|------|
| 4) Vinyl Chloride-d3           | 1.40  | 65  | 136575 | 5.28  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.68  | 69  | 112421 | 5.39  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.27  | 63  | 284547 | 5.36  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.21  | 46  | 331160 | 50.76 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.64  | 84  | 201280 | 4.72  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.31  | 65  | 105116 | 4.65  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.33  | 84  | 424944 | 5.14  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.33  | 67  | 134901 | 4.97  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.56  | 98  | 388507 | 5.32  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.85  | 79  | 52698  | 5.13  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.31  | 63  | 273676 | 60.35 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84  | 106457 | 5.40  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.86 | 152 | 139678 | 5.45  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |        | Qvalue   |
|--------------------------------|------|-----|--------|--------|----------|
| 2) Dichlorodifluoromethane     | 1.20 | 85  | 142034 | 4.006  | ug/L 100 |
| 3) Chloromethane               | 1.32 | 50  | 173364 | 4.117  | ug/L 100 |
| 5) Vinyl chloride              | 1.40 | 62  | 175551 | 4.518  | ug/L 100 |
| 6) Bromomethane                | 1.63 | 94  | 104219 | 5.235  | ug/L 100 |
| 8) Chloroethane                | 1.70 | 64  | 108338 | 4.805  | ug/L 100 |
| 9) Trichlorofluoromethane      | 1.88 | 101 | 230399 | 5.081  | ug/L 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.28 | 101 | 132754 | 5.235  | ug/L 100 |
| 12) 1,1-Dichloroethene         | 2.28 | 96  | 128937 | 5.232  | ug/L 100 |
| 13) Acetone                    | 2.35 | 43  | 261992 | 51.405 | ug/L 100 |
| 14) Carbon disulfide           | 2.47 | 76  | 435612 | 5.067  | ug/L 100 |
| 15) Methyl Acetate             | 2.62 | 43  | 68467  | 5.237  | ug/L 100 |
| 16) Methylene chloride         | 2.69 | 84  | 145792 | 5.054  | ug/L 100 |
| 17) Methyl tert-butyl Ether    | 3.00 | 73  | 353337 | 5.340  | ug/L 100 |
| 18) trans-1,2-Dichloroethene   | 2.97 | 96  | 142554 | 5.416  | ug/L 100 |
| 19) 1,1-Dichloroethane         | 3.44 | 63  | 212220 | 4.080  | ug/L 100 |
| 21) 2-Butanone                 | 4.29 | 43  | 344884 | 44.638 | ug/L 100 |
| 22) cis-1,2-Dichloroethene     | 4.22 | 96  | 122351 | 4.548  | ug/L 100 |
| 23) Bromochloromethane         | 4.55 | 128 | 53783  | 4.983  | ug/L 100 |
| 25) Chloroform                 | 4.67 | 83  | 206002 | 4.297  | ug/L 100 |
| 27) 1,2-Dichloroethane         | 5.40 | 62  | 131161 | 4.221  | ug/L 100 |
| 29) 1,1,1-Trichloroethane      | 4.91 | 97  | 170250 | 4.437  | ug/L 100 |
| 30) Cyclohexane                | 4.99 | 56  | 207269 | 4.468  | ug/L 100 |
| 31) Carbon tetrachloride       | 5.13 | 117 | 152853 | 4.720  | ug/L 100 |
| 33) Benzene                    | 5.38 | 78  | 480346 | 4.693  | ug/L 100 |
| 34) Trichloroethene            | 6.18 | 95  | 125858 | 4.865  | ug/L 100 |
| 35) Methylcyclohexane          | 6.41 | 83  | 188690 | 4.632  | ug/L 100 |
| 37) 1,2-Dichloropropane        | 6.43 | 63  | 124225 | 4.437  | ug/L 100 |
| 38) Bromodichloromethane       | 6.75 | 83  | 147954 | 4.514  | ug/L 100 |
| 39) cis-1,3-Dichloropropene    | 7.27 | 75  | 168014 | 4.497  | ug/L 100 |
| 40) 4-Methyl-2-pentanone       | 7.46 | 43  | 841913 | 48.085 | ug/L 100 |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) Toluene                    | 7.63  | 91   | 514105   | 4.967  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene  | 7.88  | 75   | 139737   | 4.780  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane      | 8.06  | 97   | 87778    | 5.109  | ug/L  | 100      |
| 47) Tetrachloroethene          | 8.22  | 164  | 97558    | 5.274  | ug/L  | 100      |
| 48) 2-Hexanone                 | 8.36  | 43   | 587964   | 48.614 | ug/L  | 100      |
| 49) Dibromochloromethane       | 8.47  | 129  | 99763    | 4.911  | ug/L  | 100      |
| 50) 1,2-Dibromoethane          | 8.58  | 107  | 84222    | 5.264  | ug/L  | 100      |
| 51) Chlorobenzene              | 9.12  | 112  | 311027   | 4.847  | ug/L  | 100      |
| 52) Ethylbenzene               | 9.25  | 91   | 537604   | 4.881  | ug/L  | 100      |
| 53) m,p-Xylene                 | 9.37  | 106  | 202605   | 5.208  | ug/L  | 100      |
| 54) o-Xylene                   | 9.77  | 106  | 201645   | 5.275  | ug/L  | 100      |
| 55) Styrene                    | 9.79  | 104  | 334764   | 5.235  | ug/L  | 100      |
| 56) Isopropylbenzene           | 10.16 | 105  | 525315   | 5.165  | ug/L  | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 10.45 | 83   | 108009   | 4.812  | ug/L  | 100      |
| 59) 1,2,3-Trichloropropane     | 10.49 | 75   | 77044    | 4.855  | ug/L  | 100      |
| 61) Bromoform                  | 9.95  | 173  | 58355    | 5.179  | ug/L  | 100      |
| 62) 1,3-Dichlorobenzene        | 11.41 | 146  | 235802   | 5.012  | ug/L  | 100      |
| 63) 1,4-Dichlorobenzene        | 11.50 | 146  | 235012   | 4.792  | ug/L  | 100      |
| 65) 1,2-Dichlorobenzene        | 11.88 | 146  | 228160   | 4.980  | ug/L  | 100      |
| 66) 1,2-Dibromo-3-chloropropan | 12.65 | 75   | 17350    | 4.941  | ug/L  | 100      |
| 67) 1,3,5-Trichlorobenzene     | 12.88 | 180  | 181820   | 5.172  | ug/L  | 100      |
| 68) 1,2,4-trichlorobenzene     | 13.50 | 180  | 153503   | 5.584  | ug/L  | 100      |
| 69) Naphthalene                | 13.74 | 128  | 332560   | 6.982  | ug/L  | 100      |
| 70) 1,2,3-Trichlorobenzene     | 13.98 | 180  | 150994   | 5.824  | ug/L  | 100      |

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

