

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU111718\  
 Data File : VU028221.D  
 Acq On : 17 Nov 2018 12:56  
 Operator : MD/SY  
 Sample : VSTD01017  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01017

Quant Time: Nov 19 01:17:32 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR111718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Nov 19 01:13:46 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 161799   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 155509   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 75338    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |      |      |
|--------------------------------|-------|-----|--------|-------|------|------|
| 4) Vinyl Chloride-d3           | 1.40  | 65  | 119448 | 9.81  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.68  | 69  | 100773 | 9.59  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.28  | 63  | 236979 | 9.78  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.20  | 46  | 390312 | 95.80 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.65  | 84  | 222681 | 9.80  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.31  | 65  | 117531 | 9.36  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.34  | 84  | 435617 | 9.73  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.33  | 67  | 159442 | 9.81  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.57  | 98  | 395990 | 9.88  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.85  | 79  | 53154  | 10.24 | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.31  | 63  | 307436 | 98.73 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84  | 112016 | 9.54  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.86 | 152 | 133459 | 9.52  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |       | Qvalue   |
|--------------------------------|------|-----|--------|-------|----------|
| 2) Dichlorodifluoromethane     | 1.21 | 85  | 128535 | 9.46  | ug/L 98  |
| 3) Chloromethane               | 1.33 | 50  | 160920 | 9.31  | ug/L 99  |
| 5) Vinyl chloride              | 1.40 | 62  | 154416 | 9.40  | ug/L 98  |
| 6) Bromomethane                | 1.63 | 94  | 71810  | 9.69  | ug/L 97  |
| 8) Chloroethane                | 1.70 | 64  | 89608  | 9.23  | ug/L 97  |
| 9) Trichlorofluoromethane      | 1.89 | 101 | 180590 | 9.44  | ug/L 99  |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101 | 99582  | 9.46  | ug/L 99  |
| 12) 1,1-Dichloroethene         | 2.29 | 96  | 93582  | 9.39  | ug/L 98  |
| 13) Acetone                    | 2.34 | 43  | 240166 | 85.71 | ug/L 99  |
| 14) Carbon disulfide           | 2.48 | 76  | 301562 | 9.64  | ug/L 98  |
| 15) Methyl Acetate             | 2.63 | 43  | 62220  | 8.38  | ug/L 100 |
| 16) Methylene chloride         | 2.70 | 84  | 109382 | 8.72  | ug/L 97  |
| 17) Methyl tert-butyl Ether    | 3.01 | 73  | 272129 | 9.09  | ug/L 99  |
| 18) trans-1,2-Dichloroethene   | 2.98 | 96  | 101843 | 9.60  | ug/L 98  |
| 19) 1,1-Dichloroethane         | 3.45 | 63  | 232230 | 9.44  | ug/L 100 |
| 21) 2-Butanone                 | 4.29 | 43  | 401698 | 90.02 | ug/L 100 |
| 22) cis-1,2-Dichloroethene     | 4.22 | 96  | 118911 | 9.48  | ug/L 94  |
| 23) Bromochloromethane         | 4.55 | 128 | 45529  | 9.28  | ug/L 94  |
| 25) Chloroform                 | 4.67 | 83  | 219147 | 8.23  | ug/L 99  |
| 27) 1,2-Dichloroethane         | 5.41 | 62  | 141538 | 9.30  | ug/L 99  |
| 29) 1,1,1-Trichloroethane      | 4.92 | 97  | 171304 | 9.77  | ug/L 98  |
| 30) Cyclohexane                | 4.99 | 56  | 222015 | 9.68  | ug/L 100 |
| 31) Carbon tetrachloride       | 5.13 | 117 | 140251 | 9.75  | ug/L 98  |
| 33) Benzene                    | 5.39 | 78  | 487480 | 9.50  | ug/L 100 |
| 34) Trichloroethene            | 6.19 | 95  | 121715 | 9.69  | ug/L 97  |
| 35) Methylcyclohexane          | 6.41 | 83  | 196727 | 9.94  | ug/L 97  |
| 37) 1,2-Dichloropropane        | 6.44 | 63  | 144407 | 9.86  | ug/L 99  |
| 38) Bromodichloromethane       | 6.76 | 83  | 149431 | 9.36  | ug/L 97  |
| 39) cis-1,3-Dichloropropene    | 7.27 | 75  | 182592 | 9.84  | ug/L 97  |
| 40) 4-Methyl-2-pentanone       | 7.47 | 43  | 983694 | 93.98 | ug/L 99  |

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 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Nov 19 01:13:46 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| -----                          |       |      |          |       |       |          |
| 42) Toluene                    | 7.64  | 91   | 504487   | 9.70  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene  | 7.88  | 75   | 139733   | 10.01 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane      | 8.07  | 97   | 80555    | 9.11  | ug/L  | 94       |
| 47) Tetrachloroethene          | 8.23  | 164  | 83907    | 9.62  | ug/L  | 93       |
| 48) 2-Hexanone                 | 8.37  | 43   | 702580   | 94.14 | ug/L  | 99       |
| 49) Dibromochloromethane       | 8.48  | 129  | 87020    | 9.72  | ug/L  | 95       |
| 50) 1,2-Dibromoethane          | 8.59  | 107  | 75722    | 9.47  | ug/L  | 95       |
| 51) Chlorobenzene              | 9.12  | 112  | 287725   | 9.61  | ug/L  | 98       |
| 52) Ethylbenzene               | 9.25  | 91   | 552321   | 9.87  | ug/L  | 97       |
| 53) m,p-xylene                 | 9.38  | 106  | 199160   | 10.26 | ug/L  | 99       |
| 54) o-xylene                   | 9.78  | 106  | 194708   | 10.04 | ug/L  | 99       |
| 55) Styrene                    | 9.79  | 104  | 335381   | 10.30 | ug/L  | 96       |
| 56) Isopropylbenzene           | 10.17 | 105  | 524251   | 10.09 | ug/L  | 98       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 107138   | 9.42  | ug/L  | 96       |
| 59) 1,2,3-Trichloropropane     | 10.49 | 75   | 78479    | 9.28  | ug/L  | 98       |
| 61) Bromoform                  | 9.96  | 173  | 44584    | 9.33  | ug/L  | 98       |
| 62) 1,3-Dichlorobenzene        | 11.42 | 146  | 217160   | 9.47  | ug/L  | 97       |
| 63) 1,4-Dichlorobenzene        | 11.51 | 146  | 216002   | 9.23  | ug/L  | 98       |
| 65) 1,2-Dichlorobenzene        | 11.88 | 146  | 208180   | 9.26  | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 12.66 | 75   | 15167    | 8.66  | ug/L  | 90       |
| 67) 1,3,5-Trichlorobenzene     | 12.89 | 180  | 167233   | 9.54  | ug/L  | 99       |
| 68) 1,2,4-trichlorobenzene     | 13.50 | 180  | 143850   | 9.82  | ug/L  | 98       |
| 69) Naphthalene                | 13.74 | 128  | 259804   | 9.98  | ug/L  | 100      |
| 70) 1,2,3-Trichlorobenzene     | 13.99 | 180  | 134464   | 9.69  | ug/L  | 99       |
| -----                          |       |      |          |       |       |          |

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

