

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\  
 Data File : VU028112.D  
 Acq On : 14 Nov 2018 10:51  
 Operator : MD/SY  
 Sample : VSTD00546  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00546

Quant Time: Nov 15 04:07:06 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR111418WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Nov 15 04:03:54 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 180608   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 172044   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 81995    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |      |      |
|--------------------------------|-------|-----|--------|-------|------|------|
| 4) Vinyl Chloride-d3           | 1.40  | 65  | 75514  | 5.04  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.68  | 69  | 59283  | 4.98  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.28  | 63  | 138141 | 4.93  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.21  | 46  | 215939 | 49.68 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.65  | 84  | 116930 | 4.91  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.31  | 65  | 64014  | 4.81  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.34  | 84  | 240663 | 4.87  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.33  | 67  | 86308  | 4.88  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.57  | 98  | 221996 | 4.83  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.85  | 79  | 29749  | 4.72  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.31  | 63  | 175601 | 48.78 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84  | 60795  | 4.87  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.86 | 152 | 74220  | 4.84  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |        | Qvalue   |
|--------------------------------|------|-----|--------|--------|----------|
| 2) Dichlorodifluoromethane     | 1.21 | 85  | 76272  | 4.788  | ug/L 100 |
| 3) Chloromethane               | 1.33 | 50  | 96647  | 4.746  | ug/L 100 |
| 5) Vinyl chloride              | 1.40 | 62  | 94363  | 4.878  | ug/L 100 |
| 6) Bromomethane                | 1.63 | 94  | 45870  | 4.950  | ug/L 100 |
| 8) Chloroethane                | 1.70 | 64  | 54930  | 4.717  | ug/L 100 |
| 9) Trichlorofluoromethane      | 1.89 | 101 | 102268 | 4.846  | ug/L 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101 | 57075  | 4.818  | ug/L 100 |
| 12) 1,1-Dichloroethene         | 2.29 | 96  | 57318  | 4.773  | ug/L 100 |
| 13) Acetone                    | 2.35 | 43  | 139321 | 47.590 | ug/L 100 |
| 14) Carbon disulfide           | 2.48 | 76  | 190997 | 4.743  | ug/L 100 |
| 15) Methyl Acetate             | 2.63 | 43  | 38008  | 4.855  | ug/L 100 |
| 16) Methylene chloride         | 2.70 | 84  | 68092  | 4.799  | ug/L 100 |
| 17) Methyl tert-butyl Ether    | 3.01 | 73  | 161776 | 4.819  | ug/L 100 |
| 18) trans-1,2-Dichloroethene   | 2.98 | 96  | 62051  | 4.860  | ug/L 100 |
| 19) 1,1-Dichloroethane         | 3.45 | 63  | 131454 | 4.896  | ug/L 100 |
| 21) 2-Butanone                 | 4.30 | 43  | 228801 | 49.523 | ug/L 100 |
| 22) cis-1,2-Dichloroethene     | 4.23 | 96  | 68370  | 4.857  | ug/L 100 |
| 23) Bromochloromethane         | 4.55 | 128 | 26863  | 4.829  | ug/L 100 |
| 25) Chloroform                 | 4.68 | 83  | 119262 | 4.952  | ug/L 100 |
| 27) 1,2-Dichloroethane         | 5.41 | 62  | 79347  | 5.012  | ug/L 100 |
| 29) 1,1,1-Trichloroethane      | 4.92 | 97  | 93961  | 4.825  | ug/L 100 |
| 30) Cyclohexane                | 4.99 | 56  | 131657 | 4.822  | ug/L 100 |
| 31) Carbon tetrachloride       | 5.13 | 117 | 78942  | 4.885  | ug/L 100 |
| 33) Benzene                    | 5.39 | 78  | 280368 | 4.837  | ug/L 100 |
| 34) Trichloroethene            | 6.19 | 95  | 69160  | 4.828  | ug/L 100 |
| 35) Methylcyclohexane          | 6.41 | 83  | 120511 | 4.894  | ug/L 100 |
| 37) 1,2-Dichloropropane        | 6.44 | 63  | 77386  | 4.828  | ug/L 100 |
| 38) Bromodichloromethane       | 6.76 | 83  | 81757  | 4.794  | ug/L 100 |
| 39) cis-1,3-Dichloropropene    | 7.27 | 75  | 106643 | 4.921  | ug/L 100 |
| 40) 4-Methyl-2-pentanone       | 7.47 | 43  | 535087 | 48.479 | ug/L 100 |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) Toluene                    | 7.64  | 91   | 286100   | 4.787  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene  | 7.88  | 75   | 80703    | 4.753  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane      | 8.07  | 97   | 45752    | 4.728  | ug/L  | 100      |
| 47) Tetrachloroethene          | 8.23  | 164  | 50834    | 4.365  | ug/L  | 100      |
| 48) 2-Hexanone                 | 8.37  | 43   | 379636   | 48.339 | ug/L  | 100      |
| 49) Dibromochloromethane       | 8.48  | 129  | 50379    | 4.890  | ug/L  | 100      |
| 50) 1,2-Dibromoethane          | 8.59  | 107  | 43429    | 4.767  | ug/L  | 100      |
| 51) Chlorobenzene              | 9.12  | 112  | 168018   | 4.808  | ug/L  | 100      |
| 52) Ethylbenzene               | 9.25  | 91   | 316794   | 4.857  | ug/L  | 100      |
| 53) m,p-xylene                 | 9.38  | 106  | 114886   | 4.834  | ug/L  | 100      |
| 54) o-xylene                   | 9.78  | 106  | 110754   | 4.841  | ug/L  | 100      |
| 55) Styrene                    | 9.79  | 104  | 186539   | 4.821  | ug/L  | 100      |
| 56) Isopropylbenzene           | 10.17 | 105  | 294992   | 4.767  | ug/L  | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 60076    | 4.817  | ug/L  | 100      |
| 59) 1,2,3-Trichloropropane     | 10.49 | 75   | 43879    | 4.874  | ug/L  | 100      |
| 61) Bromoform                  | 9.96  | 173  | 26527    | 4.785  | ug/L  | 100      |
| 62) 1,3-Dichlorobenzene        | 11.42 | 146  | 125571   | 4.843  | ug/L  | 100      |
| 63) 1,4-Dichlorobenzene        | 11.51 | 146  | 126139   | 4.806  | ug/L  | 100      |
| 65) 1,2-Dichlorobenzene        | 11.88 | 146  | 119068   | 4.802  | ug/L  | 100      |
| 66) 1,2-Dibromo-3-chloropropan | 12.66 | 75   | 8716     | 4.845  | ug/L  | 100      |
| 67) 1,3,5-Trichlorobenzene     | 12.89 | 180  | 96141    | 4.834  | ug/L  | 100      |
| 68) 1,2,4-trichlorobenzene     | 13.50 | 180  | 84326    | 4.864  | ug/L  | 100      |
| 69) Naphthalene                | 13.74 | 128  | 157616   | 4.879  | ug/L  | 100      |
| 70) 1,2,3-Trichlorobenzene     | 13.99 | 180  | 77089    | 4.827  | ug/L  | 100      |

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

