

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082818\  
 Data File : VU026401.D  
 Acq On : 28 Aug 2018 16:02  
 Operator : MD/SY  
 Sample : VSTD0.542  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD0.542

Quant Time: Aug 28 23:53:16 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR082818WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Aug 28 23:50:35 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 62752    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 60977    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 28188    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |      |      |      |      |
|--------------------------------|-------|-----|------|------|------|------|
| 4) Vinyl Chloride-d3           | 1.40  | 65  | 4108 | 0.49 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.68  | 69  | 3113 | 0.50 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.27  | 63  | 6978 | 0.49 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.20  | 46  | 7168 | 4.64 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.65  | 84  | 3939 | 0.41 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.31  | 65  | 3147 | 0.52 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.34  | 84  | 9820 | 0.47 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.33  | 67  | 3314 | 0.48 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.57  | 98  | 8864 | 0.45 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.86  | 79  | 1126 | 0.45 | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.32  | 63  | 4055 | 3.63 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44 | 84  | 2607 | 0.49 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.86 | 152 | 3269 | 0.50 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |       |      |        | Qvalue |
|--------------------------------|------|-----|-------|------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.21 | 85  | 3092  | 0.51 | ug/L   | 94     |
| 3) Chloromethane               | 1.33 | 50  | 4216  | 0.53 | ug/L   | 95     |
| 5) Vinyl chloride              | 1.40 | 62  | 4052  | 0.51 | ug/L   | 98     |
| 6) Bromomethane                | 1.63 | 94  | 1878  | 0.49 | ug/L   | 100    |
| 8) Chloroethane                | 1.70 | 64  | 2564  | 0.54 | ug/L   | 91     |
| 9) Trichlorofluoromethane      | 1.89 | 101 | 4747  | 0.50 | ug/L   | 96     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101 | 2811  | 0.50 | ug/L   | 97     |
| 12) 1,1-Dichloroethene         | 2.29 | 96  | 2506  | 0.49 | ug/L   | 88     |
| 13) Acetone                    | 2.32 | 43  | 7139  | 6.25 | ug/L   | 94     |
| 14) Carbon disulfide           | 2.48 | 76  | 10036 | 0.53 | ug/L   | 99     |
| 15) Methyl Acetate             | 2.62 | 43  | 1922  | 0.60 | ug/L # | 90     |
| 16) Methylene chloride         | 2.70 | 84  | 3944  | 0.61 | ug/L   | 96     |
| 17) Methyl tert-butyl Ether    | 3.00 | 73  | 6498  | 0.50 | ug/L # | 88     |
| 18) trans-1,2-Dichloroethene   | 2.98 | 96  | 2821  | 0.50 | ug/L   | 90     |
| 19) 1,1-Dichloroethane         | 3.45 | 63  | 6073  | 0.52 | ug/L   | 94     |
| 21) 2-Butanone                 | 4.29 | 43  | 7501  | 5.12 | ug/L   | 98     |
| 22) cis-1,2-Dichloroethene     | 4.23 | 96  | 3173  | 0.56 | ug/L   | 90     |
| 23) Bromochloromethane         | 4.55 | 128 | 1183  | 0.51 | ug/L   | 94     |
| 25) Chloroform                 | 4.67 | 83  | 6303  | 0.56 | ug/L   | 93     |
| 27) 1,2-Dichloroethane         | 5.41 | 62  | 3334  | 0.53 | ug/L # | 92     |
| 29) 1,1,1-Trichloroethane      | 4.92 | 97  | 3930  | 0.51 | ug/L   | 96     |
| 30) Cyclohexane                | 4.99 | 56  | 3702  | 0.47 | ug/L   | 97     |
| 31) Carbon tetrachloride       | 5.13 | 117 | 3610  | 0.52 | ug/L   | 99     |
| 33) Benzene                    | 5.39 | 78  | 10072 | 0.50 | ug/L   | 100    |
| 34) Trichloroethene            | 6.19 | 95  | 3234  | 0.59 | ug/L   | 96     |
| 35) Methylcyclohexane          | 6.42 | 83  | 3402  | 0.44 | ug/L   | 91     |
| 37) 1,2-Dichloropropane        | 6.44 | 63  | 2858  | 0.51 | ug/L # | 91     |
| 38) Bromodichloromethane       | 6.76 | 83  | 3507  | 0.53 | ug/L   | 97     |
| 39) cis-1,3-Dichloropropene    | 7.28 | 75  | 3317  | 0.47 | ug/L   | 96     |
| 40) 4-Methyl-2-pentanone       | 7.47 | 43  | 14201 | 4.50 | ug/L # | 95     |

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| Internal Standards             | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|------|--------|----------|
| -----                          |       |      |          |      |        |          |
| 42) Toluene                    | 7.64  | 91   | 9570     | 0.46 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene  | 7.89  | 75   | 2719     | 0.46 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane      | 8.07  | 97   | 1758     | 0.50 | ug/L   | 90       |
| 47) Tetrachloroethene          | 8.23  | 164  | 2135     | 0.52 | ug/L   | 89       |
| 48) 2-Hexanone                 | 8.37  | 43   | 10369    | 4.43 | ug/L # | 94       |
| 49) Dibromochloromethane       | 8.48  | 129  | 2181     | 0.51 | ug/L   | 97       |
| 50) 1,2-Dibromoethane          | 8.60  | 107  | 1710     | 0.51 | ug/L # | 88       |
| 51) Chlorobenzene              | 9.12  | 112  | 6797     | 0.51 | ug/L   | 97       |
| 52) Ethylbenzene               | 9.25  | 91   | 9727     | 0.45 | ug/L   | 96       |
| 53) m,p-xylene                 | 9.38  | 106  | 3504     | 0.44 | ug/L   | 98       |
| 54) o-xylene                   | 9.78  | 106  | 3174     | 0.42 | ug/L   | 85       |
| 55) Styrene                    | 9.80  | 104  | 5361     | 0.40 | ug/L   | 90       |
| 56) Isopropylbenzene           | 10.17 | 105  | 8218     | 0.41 | ug/L   | 98       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 2297     | 0.50 | ug/L   | 92       |
| 59) 1,2,3-Trichloropropane     | 10.50 | 75   | 1750     | 0.54 | ug/L   | 93       |
| 61) Bromoform                  | 9.96  | 173  | 1110     | 0.50 | ug/L # | 95       |
| 62) 1,3-Dichlorobenzene        | 11.42 | 146  | 4519     | 0.50 | ug/L   | 96       |
| 63) 1,4-Dichlorobenzene        | 11.51 | 146  | 4949     | 0.52 | ug/L   | 100      |
| 65) 1,2-Dichlorobenzene        | 11.89 | 146  | 4381     | 0.49 | ug/L   | 95       |
| 66) 1,2-Dibromo-3-chloropropan | 12.66 | 75   | 293      | 0.49 | ug/L # | 85       |
| 67) 1,3,5-Trichlorobenzene     | 12.89 | 180  | 3908     | 0.51 | ug/L   | 93       |
| 68) 1,2,4-trichlorobenzene     | 13.51 | 180  | 2859     | 0.47 | ug/L   | 99       |
| 69) Naphthalene                | 13.75 | 128  | 3857     | 0.41 | ug/L # | 95       |
| 70) 1,2,3-Trichlorobenzene     | 13.99 | 180  | 2556     | 0.45 | ug/L   | 96       |
| -----                          |       |      |          |      |        |          |

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

