

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U103018\  
 Data File : VU027865.D  
 Acq On : 30 Oct 2018 10:41  
 Operator : MD/SY  
 Sample : VSTD0.543  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD0.543

Manual Integrations  
 APPROVED

MMDadoda  
 11/1/2018 11:15:13 AM

Quant Time: Oct 31 01:52:32 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR103018WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Oct 31 01:42:19 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 96088    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 89534    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 44009    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |      |      |
|--------------------------------|-------|-----|--------|------|------|------|
| 4) Vinyl Chloride-d3           | 1.40  | 65  | 3264   | 0.43 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.68  | 69  | 2641   | 0.46 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.28  | 63  | 6541   | 0.46 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 4.21  | 46  | 10655m | 4.74 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.65  | 84  | 6184   | 0.46 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.31  | 65  | 3831   | 0.49 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.34  | 84  | 11314  | 0.46 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.34  | 67  | 4337   | 0.50 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.57  | 98  | 11147  | 0.48 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.86  | 79  | 1574   | 0.47 | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.32  | 63  | 8227   | 4.48 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84  | 2757   | 0.45 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.86 | 152 | 4535   | 0.54 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |       |              | Qvalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.21 | 85  | 4293  | 0.454 ug/L   | 99     |
| 3) Chloromethane               | 1.33 | 50  | 4230  | 0.451 ug/L   | 95     |
| 5) Vinyl chloride              | 1.41 | 62  | 3990  | 0.427 ug/L   | 89     |
| 6) Bromomethane                | 1.64 | 94  | 1190  | 0.388 ug/L   | 94     |
| 8) Chloroethane                | 1.70 | 64  | 2898  | 0.529 ug/L   | 88     |
| 9) Trichlorofluoromethane      | 1.89 | 101 | 5609  | 0.452 ug/L   | 94     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101 | 2816  | 0.445 ug/L   | 94     |
| 12) 1,1-Dichloroethene         | 2.29 | 96  | 2538  | 0.425 ug/L   | 74     |
| 13) Acetone                    | 2.35 | 43  | 7511  | 5.320 ug/L   | 88     |
| 14) Carbon disulfide           | 2.48 | 76  | 10181 | 0.478 ug/L   | 98     |
| 15) Methyl Acetate             | 2.63 | 43  | 1964  | 0.520 ug/L   | 93     |
| 16) Methylene chloride         | 2.70 | 84  | 3184  | 0.475 ug/L   | 91     |
| 17) Methyl tert-butyl Ether    | 3.01 | 73  | 8161  | 0.459 ug/L # | 89     |
| 18) trans-1,2-Dichloroethene   | 2.99 | 96  | 2682  | 0.423 ug/L   | 97     |
| 19) 1,1-Dichloroethane         | 3.45 | 63  | 5973  | 0.446 ug/L   | 95     |
| 21) 2-Butanone                 | 4.30 | 43  | 11328 | 4.615 ug/L   | 99     |
| 22) cis-1,2-Dichloroethene     | 4.23 | 96  | 2927  | 0.399 ug/L   | 76     |
| 23) Bromochloromethane         | 4.56 | 128 | 1350  | 0.444 ug/L   | 89     |
| 25) Chloroform                 | 4.67 | 83  | 5977  | 0.440 ug/L   | 97     |
| 27) 1,2-Dichloroethane         | 5.41 | 62  | 4328  | 0.457 ug/L   | 96     |
| 29) 1,1,1-Trichloroethane      | 4.92 | 97  | 5224  | 0.452 ug/L   | 97     |
| 30) Cyclohexane                | 5.00 | 56  | 6043  | 0.445 ug/L   | 96     |
| 31) Carbon tetrachloride       | 5.13 | 117 | 4085  | 0.412 ug/L   | 85     |
| 33) Benzene                    | 5.39 | 78  | 12668 | 0.447 ug/L   | 100    |
| 34) Trichloroethene            | 6.19 | 95  | 3136  | 0.425 ug/L   | 90     |
| 35) Methylcyclohexane          | 6.42 | 83  | 5458  | 0.435 ug/L   | 100    |
| 37) 1,2-Dichloropropane        | 6.44 | 63  | 3590  | 0.444 ug/L # | 90     |
| 38) Bromodichloromethane       | 6.76 | 83  | 4120  | 0.436 ug/L # | 93     |
| 39) cis-1,3-Dichloropropene    | 7.28 | 75  | 4947  | 0.427 ug/L   | 88     |
| 40) 4-Methyl-2-pentanone       | 7.47 | 43  | 25100 | 4.399 ug/L   | 99     |

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 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Oct 31 01:42:19 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| -----                          |       |      |          |       |        |          |
| 42) Toluene                    | 7.64  | 91   | 13063    | 0.440 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene  | 7.88  | 75   | 4404     | 0.443 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane      | 8.08  | 97   | 2190     | 0.441 | ug/L   | 90       |
| 47) Tetrachloroethene          | 8.23  | 164  | 2510     | 0.443 | ug/L   | 92       |
| 48) 2-Hexanone                 | 8.37  | 43   | 17234    | 4.189 | ug/L # | 94       |
| 49) Dibromochloromethane       | 8.48  | 129  | 2592     | 0.432 | ug/L   | 93       |
| 50) 1,2-Dibromoethane          | 8.59  | 107  | 2087     | 0.439 | ug/L # | 96       |
| 51) Chlorobenzene              | 9.12  | 112  | 8251     | 0.448 | ug/L   | 97       |
| 52) Ethylbenzene               | 9.25  | 91   | 14792    | 0.437 | ug/L   | 96       |
| 53) m,p-xylene                 | 9.38  | 106  | 5479     | 0.447 | ug/L   | 95       |
| 54) o-xylene                   | 9.78  | 106  | 5170     | 0.429 | ug/L   | 77       |
| 55) Styrene                    | 9.79  | 104  | 8145     | 0.403 | ug/L   | 99       |
| 56) Isopropylbenzene           | 10.17 | 105  | 13969    | 0.426 | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 2956     | 0.456 | ug/L   | 88       |
| 59) 1,2,3-Trichloropropane     | 10.49 | 75   | 2004m    | 0.409 | ug/L   |          |
| 61) Bromoform                  | 9.96  | 173  | 1397     | 0.432 | ug/L # | 94       |
| 62) 1,3-Dichlorobenzene        | 11.42 | 146  | 6080     | 0.430 | ug/L   | 94       |
| 63) 1,4-Dichlorobenzene        | 11.51 | 146  | 6314     | 0.446 | ug/L   | 85       |
| 65) 1,2-Dichlorobenzene        | 11.88 | 146  | 6062     | 0.454 | ug/L   | 93       |
| 66) 1,2-Dibromo-3-chloropropan | 12.66 | 75   | 406      | 0.388 | ug/L # | 88       |
| 67) 1,3,5-Trichlorobenzene     | 12.89 | 180  | 5041     | 0.443 | ug/L   | 98       |
| 68) 1,2,4-trichlorobenzene     | 13.51 | 180  | 3968     | 0.410 | ug/L   | 96       |
| 69) Naphthalene                | 13.75 | 128  | 5627     | 0.374 | ug/L # | 93       |
| 70) 1,2,3-Trichlorobenzene     | 13.99 | 180  | 3716     | 0.421 | ug/L # | 95       |
| -----                          |       |      |          |       |        |          |

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

