

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR070518\  
 Data File : VR025439.D  
 Acq On : 5 Jul 2018 14:33  
 Operator : SY/MD  
 Sample : VSTD02085  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VSTD02085

Manual Integrations  
 APPROVED

MMDadoda  
 7/6/2018 4:17:20 PM

Quant Time: Jul 06 01:21:09 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR070518WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Jul 05 12:32:40 2018

Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 754156   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 627101   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 244464   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |       |     |         |        |      |       |
|--------------------------------|-------|-----|---------|--------|------|-------|
| 4) Vinyl Chloride-d3           | 2.15  | 65  | 422054  | 16.42  | ug/L | 0.00  |
| 7) Chloroethane-d5             | 2.62  | 69  | 339881  | 18.00  | ug/L | -0.01 |
| 11) 1,1-Dichloroethene-d2      | 3.63  | 63  | 1193398 | 18.06  | ug/L | -0.01 |
| 20) 2-Butanone-d5              | 6.59  | 46  | 1539009 | 223.52 | ug/L | 0.00  |
| 24) Chloroform-d               | 7.20  | 84  | 1999858 | 20.84  | ug/L | 0.00  |
| 26) 1,2-Dichloroethane-d4      | 7.89  | 65  | 781687  | 21.28  | ug/L | 0.00  |
| 32) Benzene-d6                 | 7.85  | 84  | 4126602 | 19.40  | ug/L | 0.00  |
| 36) 1,2-Dichloropropane-d6     | 8.90  | 67  | 1209026 | 20.02  | ug/L | 0.00  |
| 41) Toluene-d8                 | 9.97  | 98  | 3481906 | 18.52  | ug/L | 0.00  |
| 43) trans-1,3-Dichloropropene- | 10.24 | 79  | 371382  | 23.10  | ug/L | 0.00  |
| 46) 2-Hexanone-d5              | 10.59 | 63  | 1190644 | 213.38 | ug/L | 0.00  |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36 | 84  | 532262  | 22.64  | ug/L | 0.00  |
| 64) 1,2-Dichlorobenzene-d4     | 13.51 | 152 | 790963  | 19.08  | ug/L | 0.00  |

#### Target Compounds

|                                |      |     |         |        |        | Qvalue |
|--------------------------------|------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.83 | 85  | 827638  | 16.98  | ug/L   | 99     |
| 3) Chloromethane               | 2.01 | 50  | 479646  | 13.59  | ug/L   | 96     |
| 5) Vinyl chloride              | 2.16 | 62  | 460216  | 14.74  | ug/L   | 100    |
| 6) Bromomethane                | 2.52 | 94  | 264219  | 17.36  | ug/L   | 98     |
| 8) Chloroethane                | 2.66 | 64  | 269622  | 16.54  | ug/L   | 95     |
| 9) Trichlorofluoromethane      | 2.98 | 101 | 754723m | 16.55  | ug/L   |        |
| 10) 1,1,2-Trichloro-1,2,2-trif | 3.68 | 101 | 404331  | 15.11  | ug/L   | 98     |
| 12) 1,1-Dichloroethene         | 3.65 | 96  | 429628  | 16.21  | ug/L   | 93     |
| 13) Acetone                    | 3.70 | 43  | 547568  | 176.09 | ug/L   | 99     |
| 14) Carbon disulfide           | 3.98 | 76  | 1098952 | 19.70  | ug/L   | 96     |
| 15) Methyl Acetate             | 4.19 | 43  | 129106  | 16.51  | ug/L   | 99     |
| 16) Methylene chloride         | 4.41 | 84  | 394058m | 16.34  | ug/L   |        |
| 17) Methyl tert-butyl Ether    | 4.89 | 73  | 1603015 | 20.29  | ug/L   | 99     |
| 18) trans-1,2-Dichloroethene   | 4.88 | 96  | 1131727 | 20.77  | ug/L   | 95     |
| 19) 1,1-Dichloroethane         | 5.69 | 63  | 1950956 | 19.06  | ug/L   | 99     |
| 21) 2-Butanone                 | 6.69 | 43  | 1458500 | 198.43 | ug/L   | 96     |
| 22) cis-1,2-Dichloroethene     | 6.67 | 96  | 1130326 | 19.88  | ug/L # | 98     |
| 23) Bromochloromethane         | 7.05 | 128 | 337688  | 20.28  | ug/L   | 98     |
| 25) Chloroform                 | 7.23 | 83  | 1806298 | 19.30  | ug/L   | 100    |
| 27) 1,2-Dichloroethane         | 7.99 | 62  | 836648  | 19.59  | ug/L # | 92     |
| 29) 1,1,1-Trichloroethane      | 7.43 | 97  | 1292050 | 17.35  | ug/L   | 98     |
| 30) Cyclohexane                | 7.52 | 56  | 1571188 | 16.52  | ug/L   | 95     |
| 31) Carbon tetrachloride       | 7.64 | 117 | 1165206 | 17.82  | ug/L   | 99     |
| 33) Benzene                    | 7.91 | 78  | 4072647 | 16.54  | ug/L   | 100    |
| 34) Trichloroethene            | 8.71 | 95  | 1078339 | 18.10  | ug/L   | 97     |
| 35) Methylcyclohexane          | 8.96 | 83  | 1607371 | 17.10  | ug/L   | 97     |
| 37) 1,2-Dichloropropane        | 8.99 | 63  | 963468  | 17.60  | ug/L   | 100    |
| 38) Bromodichloromethane       | 9.28 | 83  | 1087574 | 20.49  | ug/L   | 98     |
| 39) cis-1,3-Dichloropropene    | 9.72 | 75  | 1319955 | 20.48  | ug/L   | 95     |
| 40) 4-Methyl-2-pentanone       | 9.86 | 43  | 3034074 | 171.30 | ug/L   | 95     |

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Quant Time: Jul 06 01:21:09 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR070518WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jul 05 12:32:40 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 42) Toluene                    | 10.03 | 91   | 3937139  | 14.92  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene  | 10.27 | 75   | 962596   | 21.71  | ug/L   | 93       |
| 45) 1,1,2-Trichloroethane      | 10.44 | 97   | 492835   | 19.40  | ug/L   | 97       |
| 47) Tetrachloroethene          | 10.52 | 164  | 700530   | 17.62  | ug/L   | 98       |
| 48) 2-Hexanone                 | 10.64 | 43   | 2034375  | 180.18 | ug/L   | 94       |
| 49) Dibromochloromethane       | 10.78 | 129  | 574307   | 23.48  | ug/L   | 97       |
| 50) 1,2-Dibromoethane          | 10.89 | 107  | 428920   | 21.06  | ug/L   | 97       |
| 51) Chlorobenzene              | 11.31 | 112  | 2334350  | 16.52  | ug/L   | 98       |
| 52) Ethylbenzene               | 11.39 | 91   | 4265416  | 16.29  | ug/L   | 100      |
| 53) m,p-Xylene                 | 11.50 | 106  | 1682042  | 16.83  | ug/L   | 91       |
| 54) o-Xylene                   | 11.83 | 106  | 1434515  | 16.06  | ug/L   | 99       |
| 55) Styrene                    | 11.85 | 104  | 2253593  | 16.42  | ug/L   | 99       |
| 56) Isopropylbenzene           | 12.13 | 105  | 3889554  | 16.20  | ug/L   | 97       |
| 58) 1,1,2,2-Tetrachloroethane  | 12.38 | 83   | 479909   | 20.39  | ug/L   | 95       |
| 59) 1,2,3-Trichloropropane     | 12.43 | 75   | 345704   | 20.36  | ug/L   | 98       |
| 61) Bromoform                  | 12.01 | 173  | 226820   | 26.01  | ug/L   | 97       |
| 62) 1,3-Dichlorobenzene        | 13.16 | 146  | 1482482  | 17.28  | ug/L   | 100      |
| 63) 1,4-Dichlorobenzene        | 13.24 | 146  | 1465328  | 17.08  | ug/L   | 98       |
| 65) 1,2-Dichlorobenzene        | 13.53 | 146  | 1202294  | 17.49  | ug/L   | 97       |
| 66) 1,2-Dibromo-3-chloropropan | 14.15 | 75   | 53955    | 19.86  | ug/L # | 84       |
| 67) 1,3,5-Trichlorobenzene     | 14.29 | 180  | 972033   | 17.11  | ug/L   | 99       |
| 68) 1,2,4-trichlorobenzene     | 14.79 | 180  | 713916m  | 18.05  | ug/L   |          |
| 69) Naphthalene                | 15.00 | 128  | 1117670  | 21.71  | ug/L   | 99       |
| 70) 1,2,3-Trichlorobenzene     | 15.18 | 180  | 568967   | 18.59  | ug/L   | 99       |

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

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