

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR090718\  
 Data File : VR025683.D  
 Acq On : 7 Sep 2018 10:39  
 Operator : SY/MD  
 Sample : VSTD00593  
 Misc : 25mL/MSVOA\_R/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VSTD00593

Manual Integrations  
 APPROVED

apatel  
 9/10/2018 8:58:37 AM

Quant Time: Sep 07 11:32:01 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR090718WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Sep 07 09:41:16 2018

Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 771100   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 638555   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 260263   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |       |     |        |       |      |      |
|--------------------------------|-------|-----|--------|-------|------|------|
| 4) Vinyl Chloride-d3           | 2.17  | 65  | 158835 | 3.16  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 2.63  | 69  | 131463 | 3.04  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 3.64  | 63  | 424834 | 3.43  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 6.59  | 46  | 168913 | 44.16 | ug/L | 0.00 |
| 24) Chloroform-d               | 7.20  | 84  | 369029 | 4.19  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 7.90  | 65  | 129337 | 4.22  | ug/L | 0.00 |
| 32) Benzene-d6                 | 7.85  | 84  | 894343 | 4.28  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 8.89  | 67  | 232440 | 4.37  | ug/L | 0.00 |
| 41) Toluene-d8                 | 9.97  | 98  | 858580 | 4.54  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 10.24 | 79  | 54461  | 4.34  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 10.59 | 63  | 195304 | 47.53 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36 | 84  | 98722  | 4.02  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 13.52 | 152 | 181667 | 4.37  | ug/L | 0.00 |

#### Target Compounds

|                                |      |     |         |              | Qvalue |
|--------------------------------|------|-----|---------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.83 | 85  | 173071  | 4.052 ug/L   | 96     |
| 3) Chloromethane               | 2.01 | 50  | 224188  | 3.547 ug/L   | 99     |
| 5) Vinyl chloride              | 2.17 | 62  | 224408  | 3.626 ug/L   | 91     |
| 6) Bromomethane                | 2.52 | 94  | 162545  | 3.860 ug/L   | 87     |
| 8) Chloroethane                | 2.66 | 64  | 127159  | 3.341 ug/L   | 90     |
| 9) Trichlorofluoromethane      | 2.93 | 101 | 411986m | 4.587 ug/L   |        |
| 10) 1,1,2-Trichloro-1,2,2-trif | 3.67 | 101 | 222570  | 4.067 ug/L   | 97     |
| 12) 1,1-Dichloroethene         | 3.65 | 96  | 227011  | 3.749 ug/L   | 80     |
| 13) Acetone                    | 3.70 | 43  | 94614   | 39.709 ug/L  | 91     |
| 14) Carbon disulfide           | 3.97 | 76  | 558573  | 3.544 ug/L   | 98     |
| 15) Methyl Acetate             | 4.19 | 43  | 33204   | 3.686 ug/L # | 89     |
| 16) Methylene chloride         | 4.40 | 84  | 195496  | 3.597 ug/L   | 97     |
| 17) Methyl tert-butyl Ether    | 4.89 | 73  | 296946  | 4.782 ug/L   | 99     |
| 18) trans-1,2-Dichloroethene   | 4.88 | 96  | 286118  | 4.474 ug/L   | 95     |
| 19) 1,1-Dichloroethane         | 5.69 | 63  | 446273  | 4.515 ug/L   | 97     |
| 21) 2-Butanone                 | 6.70 | 43  | 235571  | 50.170 ug/L  | 96     |
| 22) cis-1,2-Dichloroethene     | 6.68 | 96  | 269184  | 4.898 ug/L # | 96     |
| 23) Bromochloromethane         | 7.05 | 128 | 83726   | 4.970 ug/L   | 90     |
| 25) Chloroform                 | 7.23 | 83  | 402299  | 4.685 ug/L   | 98     |
| 27) 1,2-Dichloroethane         | 7.99 | 62  | 158668  | 4.941 ug/L # | 92     |
| 29) 1,1,1-Trichloroethane      | 7.43 | 97  | 302903  | 4.876 ug/L   | 96     |
| 30) Cyclohexane                | 7.51 | 56  | 395943  | 4.954 ug/L   | 98     |
| 31) Carbon tetrachloride       | 7.63 | 117 | 287237  | 5.268 ug/L   | 98     |
| 33) Benzene                    | 7.91 | 78  | 1124727 | 4.823 ug/L   | 100    |
| 34) Trichloroethene            | 8.71 | 95  | 259811  | 4.864 ug/L   | 96     |
| 35) Methylcyclohexane          | 8.95 | 83  | 446214  | 5.135 ug/L   | 97     |
| 37) 1,2-Dichloropropane        | 9.00 | 63  | 246810  | 4.821 ug/L   | 99     |
| 38) Bromodichloromethane       | 9.28 | 83  | 226113  | 5.061 ug/L   | 90     |
| 39) cis-1,3-Dichloropropene    | 9.72 | 75  | 281563  | 5.367 ug/L   | 97     |
| 40) 4-Methyl-2-pentanone       | 9.87 | 43  | 697296  | 56.232 ug/L  | 99     |

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Quant Time: Sep 07 11:32:01 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR090718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Sep 07 09:41:16 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 42) Toluene                    | 10.04 | 91   | 1186225  | 5.184  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene  | 10.26 | 75   | 186483   | 5.036  | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane      | 10.45 | 97   | 112959   | 5.001  | ug/L   | 95       |
| 47) Tetrachloroethene          | 10.51 | 164  | 213585   | 5.229  | ug/L   | 94       |
| 48) 2-Hexanone                 | 10.63 | 43   | 477574   | 55.249 | ug/L   | 99       |
| 49) Dibromochloromethane       | 10.79 | 129  | 129136   | 5.306  | ug/L   | 96       |
| 50) 1,2-Dibromoethane          | 10.89 | 107  | 90104    | 5.035  | ug/L # | 98       |
| 51) Chlorobenzene              | 11.32 | 112  | 708599   | 4.975  | ug/L   | 99       |
| 52) Ethylbenzene               | 11.39 | 91   | 1289757  | 5.279  | ug/L   | 98       |
| 53) m,p-Xylene                 | 11.50 | 106  | 522962   | 5.345  | ug/L   | 98       |
| 54) o-Xylene                   | 11.83 | 106  | 463791   | 5.320  | ug/L   | 98       |
| 55) Styrene                    | 11.84 | 104  | 747716   | 5.309  | ug/L   | 97       |
| 56) Isopropylbenzene           | 12.13 | 105  | 1204424  | 5.450  | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 12.39 | 83   | 108032   | 4.628  | ug/L   | 91       |
| 59) 1,2,3-Trichloropropane     | 12.43 | 75   | 73853    | 4.653  | ug/L   | 90       |
| 61) Bromoform                  | 12.01 | 173  | 51264    | 4.902  | ug/L # | 96       |
| 62) 1,3-Dichlorobenzene        | 13.16 | 146  | 395140   | 4.911  | ug/L   | 95       |
| 63) 1,4-Dichlorobenzene        | 13.24 | 146  | 427813   | 4.786  | ug/L   | 98       |
| 65) 1,2-Dichlorobenzene        | 13.53 | 146  | 340185   | 4.911  | ug/L   | 94       |
| 66) 1,2-Dibromo-3-chloropropan | 14.14 | 75   | 9288     | 4.952  | ug/L # | 80       |
| 67) 1,3,5-Trichlorobenzene     | 14.29 | 180  | 234883   | 5.166  | ug/L   | 98       |
| 68) 1,2,4-trichlorobenzene     | 14.79 | 180  | 139273   | 4.936  | ug/L   | 98       |
| 69) Naphthalene                | 15.00 | 128  | 158952   | 4.562  | ug/L   | 99       |
| 70) 1,2,3-Trichlorobenzene     | 15.18 | 180  | 106423   | 4.851  | ug/L   | 94       |
| -----                          |       |      |          |        |        |          |

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

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