

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR090718\  
 Data File : VR025684.D  
 Acq On : 7 Sep 2018 11:12  
 Operator : SY/MD  
 Sample : VSTD01094  
 Misc : 25mL/MSVOA\_R/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VSTD01094

Manual Integrations  
 APPROVED

apatel  
 9/10/2018 8:58:41 AM

Quant Time: Sep 07 11:55:00 2018

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

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Sep 07 11:33:39 2018

Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 754042   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 666884   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 277490   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |       |     |         |        |      |      |
|--------------------------------|-------|-----|---------|--------|------|------|
| 4) Vinyl Chloride-d3           | 2.17  | 65  | 312052  | 6.36   | ug/L | 0.00 |
| 7) Chloroethane-d5             | 2.63  | 69  | 250296  | 5.91   | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 3.64  | 63  | 863327  | 7.12   | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 6.59  | 46  | 357941  | 95.71  | ug/L | 0.00 |
| 24) Chloroform-d               | 7.20  | 84  | 747596  | 8.68   | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 7.89  | 65  | 257909  | 8.60   | ug/L | 0.00 |
| 32) Benzene-d6                 | 7.85  | 84  | 1826454 | 8.38   | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 8.90  | 67  | 485690  | 8.74   | ug/L | 0.00 |
| 41) Toluene-d8                 | 9.97  | 98  | 1830680 | 9.28   | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 10.24 | 79  | 121315  | 9.25   | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 10.59 | 63  | 440547  | 102.65 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36 | 84  | 213632  | 8.33   | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 13.51 | 152 | 385009  | 8.68   | ug/L | 0.00 |

#### Target Compounds

|                                |      |     |         |               | Qvalue |
|--------------------------------|------|-----|---------|---------------|--------|
| 2) Dichlorodifluoromethane     | 1.83 | 85  | 391130  | 9.364 ug/L    | 100    |
| 3) Chloromethane               | 2.01 | 50  | 457203  | 7.396 ug/L    | 95     |
| 5) Vinyl chloride              | 2.17 | 62  | 450649  | 7.447 ug/L    | 98     |
| 6) Bromomethane                | 2.52 | 94  | 309040  | 7.506 ug/L    | 92     |
| 8) Chloroethane                | 2.66 | 64  | 246750  | 6.629 ug/L    | 99     |
| 9) Trichlorofluoromethane      | 2.98 | 101 | 828730m | 9.435 ug/L    |        |
| 10) 1,1,2-Trichloro-1,2,2-trif | 3.68 | 101 | 447489  | 8.362 ug/L    | 97     |
| 12) 1,1-Dichloroethene         | 3.65 | 96  | 455405  | 7.690 ug/L    | 96     |
| 13) Acetone                    | 3.70 | 43  | 203077  | 87.158 ug/L   | 99     |
| 14) Carbon disulfide           | 3.96 | 76  | 1136468 | 7.373 ug/L #  | 94     |
| 15) Methyl Acetate             | 4.20 | 43  | 67101   | 7.617 ug/L    | 96     |
| 16) Methylene chloride         | 4.40 | 84  | 380555m | 7.161 ug/L    |        |
| 17) Methyl tert-butyl Ether    | 4.89 | 73  | 612209  | 10.083 ug/L   | 98     |
| 18) trans-1,2-Dichloroethene   | 4.88 | 96  | 590752  | 9.446 ug/L    | 95     |
| 19) 1,1-Dichloroethane         | 5.69 | 63  | 906866  | 9.382 ug/L    | 98     |
| 21) 2-Butanone                 | 6.69 | 43  | 503483  | 109.653 ug/L  | 100    |
| 22) cis-1,2-Dichloroethene     | 6.67 | 96  | 556916  | 10.362 ug/L # | 93     |
| 23) Bromochloromethane         | 7.04 | 128 | 169013  | 10.259 ug/L   | 90     |
| 25) Chloroform                 | 7.23 | 83  | 816000  | 9.717 ug/L    | 94     |
| 27) 1,2-Dichloroethane         | 7.99 | 62  | 321832  | 10.248 ug/L   | 98     |
| 29) 1,1,1-Trichloroethane      | 7.43 | 97  | 629186  | 9.698 ug/L    | 99     |
| 30) Cyclohexane                | 7.51 | 56  | 922406  | 11.051 ug/L   | 96     |
| 31) Carbon tetrachloride       | 7.63 | 117 | 618930  | 10.870 ug/L   | 97     |
| 33) Benzene                    | 7.91 | 78  | 2366381 | 9.716 ug/L    | 100    |
| 34) Trichloroethene            | 8.71 | 95  | 547587  | 9.816 ug/L    | 98     |
| 35) Methylcyclohexane          | 8.96 | 83  | 1001643 | 11.037 ug/L   | 99     |
| 37) 1,2-Dichloropropane        | 9.00 | 63  | 507570  | 9.494 ug/L    | 100    |
| 38) Bromodichloromethane       | 9.28 | 83  | 465994  | 9.987 ug/L    | 95     |
| 39) cis-1,3-Dichloropropene    | 9.72 | 75  | 606537  | 11.070 ug/L   | 97     |
| 40) 4-Methyl-2-pentanone       | 9.87 | 43  | 1504441 | 116.170 ug/L  | 98     |

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 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Sep 07 11:33:39 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| -----                          |       |      |          |         |       |          |
| 42) Toluene                    | 10.04 | 91   | 2527451  | 10.577  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene  | 10.26 | 75   | 423810   | 10.959  | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane      | 10.45 | 97   | 228746   | 9.698   | ug/L  | 89       |
| 47) Tetrachloroethene          | 10.51 | 164  | 444139   | 10.411  | ug/L  | 96       |
| 48) 2-Hexanone                 | 10.63 | 43   | 1013293  | 112.245 | ug/L  | 98       |
| 49) Dibromochloromethane       | 10.79 | 129  | 270392   | 10.637  | ug/L  | 96       |
| 50) 1,2-Dibromoethane          | 10.89 | 107  | 195762   | 10.475  | ug/L  | 96       |
| 51) Chlorobenzene              | 11.32 | 112  | 1471378  | 9.891   | ug/L  | 96       |
| 52) Ethylbenzene               | 11.39 | 91   | 2801411  | 10.979  | ug/L  | 97       |
| 53) m,p-Xylene                 | 11.50 | 106  | 1121490  | 10.975  | ug/L  | 98       |
| 54) o-Xylene                   | 11.83 | 106  | 1064300  | 11.690  | ug/L  | 99       |
| 55) Styrene                    | 11.84 | 104  | 1676301  | 11.397  | ug/L  | 99       |
| 56) Isopropylbenzene           | 12.13 | 105  | 2724576  | 11.805  | ug/L  | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 12.39 | 83   | 239819   | 9.837   | ug/L  | 98       |
| 59) 1,2,3-Trichloropropane     | 12.43 | 75   | 157571   | 9.506   | ug/L  | 94       |
| 61) Bromoform                  | 12.01 | 173  | 112880   | 10.123  | ug/L  | 94       |
| 62) 1,3-Dichlorobenzene        | 13.16 | 146  | 881621   | 10.278  | ug/L  | 95       |
| 63) 1,4-Dichlorobenzene        | 13.24 | 146  | 911979   | 9.569   | ug/L  | 99       |
| 65) 1,2-Dichlorobenzene        | 13.53 | 146  | 721136   | 9.764   | ug/L  | 97       |
| 66) 1,2-Dibromo-3-chloropropan | 14.15 | 75   | 20410    | 10.207  | ug/L  | 84       |
| 67) 1,3,5-Trichlorobenzene     | 14.29 | 180  | 500842   | 10.332  | ug/L  | 98       |
| 68) 1,2,4-trichlorobenzene     | 14.78 | 180  | 321541   | 10.688  | ug/L  | 99       |
| 69) Naphthalene                | 15.00 | 128  | 392506   | 10.565  | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene     | 15.18 | 180  | 243101   | 10.394  | ug/L  | 96       |
| -----                          |       |      |          |         |       |          |

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

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