

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092018\  
 Data File : VR025773.D  
 Acq On : 20 Sep 2018 12:33  
 Operator : SY/MD  
 Sample : VSTD01012  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VSTD01012

Manual Integrations  
 APPROVED

MMDadoda  
 9/24/2018 5:09:17 PM

Quant Time: Sep 20 14:04:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR092018WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Sep 20 12:33:47 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 609974   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 484741   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 188623   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |        |      |      |
|--------------------------------|-------|-----|---------|--------|------|------|
| 4) Vinyl Chloride-d3           | 2.16  | 65  | 249737  | 9.42   | ug/L | 0.00 |
| 7) Chloroethane-d5             | 2.62  | 69  | 210447  | 9.69   | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 3.61  | 63  | 677206  | 9.34   | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 6.59  | 46  | 458367  | 171.22 | ug/L | 0.00 |
| 24) Chloroform-d               | 7.20  | 84  | 711774  | 11.73  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 7.90  | 65  | 301132  | 14.64  | ug/L | 0.00 |
| 32) Benzene-d6                 | 7.85  | 84  | 1195028 | 9.12   | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 8.90  | 67  | 346746  | 9.82   | ug/L | 0.00 |
| 41) Toluene-d8                 | 9.97  | 98  | 977020  | 7.80   | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 10.24 | 79  | 125950  | 14.46  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 10.59 | 63  | 410825  | 157.66 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36 | 84  | 172295  | 11.16  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 13.51 | 152 | 246960  | 9.24   | ug/L | 0.00 |

## Target Compounds

|                                |      |     |         |               | Qvalue |
|--------------------------------|------|-----|---------|---------------|--------|
| 2) Dichlorodifluoromethane     | 1.83 | 85  | 677136  | 21.769 ug/L   | 99     |
| 3) Chloromethane               | 2.01 | 50  | 620369  | 16.247 ug/L   | 94     |
| 5) Vinyl chloride              | 2.17 | 62  | 597683  | 15.749 ug/L   | 99     |
| 6) Bromomethane                | 2.52 | 94  | 305480  | 11.245 ug/L   | 99     |
| 8) Chloroethane                | 2.66 | 64  | 330997  | 14.852 ug/L   | 98     |
| 9) Trichlorofluoromethane      | 2.93 | 101 | 704815m | 10.074 ug/L   |        |
| 10) 1,1,2-Trichloro-1,2,2-trif | 3.68 | 101 | 409324  | 10.856 ug/L   | 98     |
| 12) 1,1-Dichloroethene         | 3.63 | 96  | 442054  | 11.109 ug/L   | 97     |
| 13) Acetone                    | 3.70 | 43  | 227517  | 126.111 ug/L  | 92     |
| 14) Carbon disulfide           | 3.93 | 76  | 1514884 | 16.134 ug/L   | 100    |
| 15) Methyl Acetate             | 4.19 | 43  | 86997   | 13.526 ug/L # | 88     |
| 16) Methylene chloride         | 4.40 | 84  | 384025  | 10.900 ug/L   | 99     |
| 17) Methyl tert-butyl Ether    | 4.89 | 73  | 891874  | 18.218 ug/L   | 99     |
| 18) trans-1,2-Dichloroethene   | 4.88 | 96  | 565783  | 11.633 ug/L   | 97     |
| 19) 1,1-Dichloroethane         | 5.69 | 63  | 1142937 | 15.241 ug/L   | 98     |
| 21) 2-Butanone                 | 6.69 | 43  | 614549  | 161.412 ug/L  | 97     |
| 22) cis-1,2-Dichloroethene     | 6.67 | 96  | 562534  | 13.295 ug/L # | 99     |
| 23) Bromochloromethane         | 7.05 | 128 | 151836  | 10.460 ug/L   | 98     |
| 25) Chloroform                 | 7.23 | 83  | 1033175 | 15.079 ug/L   | 100    |
| 27) 1,2-Dichloroethane         | 7.99 | 62  | 530921  | 19.636 ug/L   | 98     |
| 29) 1,1,1-Trichloroethane      | 7.43 | 97  | 1006051 | 20.835 ug/L   | 100    |
| 30) Cyclohexane                | 7.51 | 56  | 1106129 | 19.063 ug/L   | 100    |
| 31) Carbon tetrachloride       | 7.63 | 117 | 869242  | 18.571 ug/L   | 100    |
| 33) Benzene                    | 7.91 | 78  | 2253232 | 13.047 ug/L   | 100    |
| 34) Trichloroethene            | 8.71 | 95  | 625092  | 14.934 ug/L   | 99     |
| 35) Methylcyclohexane          | 8.95 | 83  | 1006822 | 15.585 ug/L   | 97     |
| 37) 1,2-Dichloropropane        | 9.00 | 63  | 497469  | 12.777 ug/L   | 99     |
| 38) Bromodichloromethane       | 9.28 | 83  | 628981  | 17.989 ug/L   | 97     |
| 39) cis-1,3-Dichloropropene    | 9.72 | 75  | 695444  | 17.468 ug/L   | 98     |
| 40) 4-Methyl-2-pentanone       | 9.87 | 43  | 1739895 | 180.787 ug/L  | 99     |

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 QLast Update : Thu Sep 20 12:33:47 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 42) Toluene                    | 10.04 | 91   | 2274951  | 12.869  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene  | 10.26 | 75   | 525158   | 18.754  | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane      | 10.45 | 97   | 214829   | 11.780  | ug/L   | 98       |
| 47) Tetrachloroethene          | 10.51 | 164  | 377134   | 11.003  | ug/L   | 93       |
| 48) 2-Hexanone                 | 10.63 | 43   | 1202049  | 178.097 | ug/L   | 98       |
| 49) Dibromochloromethane       | 10.79 | 129  | 288746   | 14.864  | ug/L   | 99       |
| 50) 1,2-Dibromoethane          | 10.89 | 107  | 199686   | 13.784  | ug/L   | 96       |
| 51) Chlorobenzene              | 11.32 | 112  | 1246535  | 11.218  | ug/L   | 98       |
| 52) Ethylbenzene               | 11.39 | 91   | 2676823  | 14.054  | ug/L   | 99       |
| 53) m,p-Xylene                 | 11.50 | 106  | 993940   | 12.969  | ug/L   | 99       |
| 54) o-Xylene                   | 11.83 | 106  | 919025   | 13.611  | ug/L   | 92       |
| 55) Styrene                    | 11.84 | 104  | 1439477  | 13.239  | ug/L   | 98       |
| 56) Isopropylbenzene           | 12.13 | 105  | 2525458  | 15.010  | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 12.39 | 83   | 233398   | 13.140  | ug/L   | 99       |
| 59) 1,2,3-Trichloropropane     | 12.43 | 75   | 181779   | 15.216  | ug/L   | 100      |
| 61) Bromoform                  | 12.01 | 173  | 119924   | 14.859  | ug/L   | 99       |
| 62) 1,3-Dichlorobenzene        | 13.16 | 146  | 812617   | 13.792  | ug/L   | 97       |
| 63) 1,4-Dichlorobenzene        | 13.24 | 146  | 777424   | 11.601  | ug/L   | 100      |
| 65) 1,2-Dichlorobenzene        | 13.53 | 146  | 614529   | 12.089  | ug/L   | 98       |
| 66) 1,2-Dibromo-3-chloropropan | 14.14 | 75   | 35394    | 23.678  | ug/L # | 88       |
| 67) 1,3,5-Trichlorobenzene     | 14.29 | 180  | 474917   | 13.558  | ug/L   | 99       |
| 68) 1,2,4-trichlorobenzene     | 14.78 | 180  | 318775   | 14.836  | ug/L   | 98       |
| 69) Naphthalene                | 15.00 | 128  | 473882   | 19.716  | ug/L   | 99       |
| 70) 1,2,3-Trichlorobenzene     | 15.18 | 180  | 224185   | 13.181  | ug/L   | 99       |

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

