

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR110918\  
 Data File : VR026218.D  
 Acq On : 9 Nov 2018 12:52  
 Operator : SY/MD  
 Sample : VSTD01084  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VSTD01084

Manual Integrations  
 APPROVED

MMDadoda  
 11/12/2018 2:06:28 PM

Quant Time: Nov 09 13:44:30 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR110918WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Nov 09 13:36:50 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 623116   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 547965   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 217349   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |        |      |      |
|--------------------------------|-------|-----|---------|--------|------|------|
| 4) Vinyl Chloride-d3           | 2.16  | 65  | 431578  | 7.91   | ug/L | 0.00 |
| 7) Chloroethane-d5             | 2.62  | 69  | 408414  | 8.71   | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 3.61  | 63  | 1107648 | 8.27   | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 6.58  | 46  | 441990  | 98.72  | ug/L | 0.00 |
| 24) Chloroform-d               | 7.20  | 84  | 786671  | 9.07   | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 7.90  | 65  | 316686  | 8.78   | ug/L | 0.00 |
| 32) Benzene-d6                 | 7.85  | 84  | 1551324 | 8.81   | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 8.90  | 67  | 405331  | 8.91   | ug/L | 0.00 |
| 41) Toluene-d8                 | 9.97  | 98  | 1514093 | 9.11   | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 10.24 | 79  | 110916  | 9.31   | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 10.59 | 63  | 371796  | 107.98 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36 | 84  | 169019  | 9.47   | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 13.52 | 152 | 310297  | 9.03   | ug/L | 0.00 |

## Target Compounds

|                                |      |     |         |             | Qvalue |
|--------------------------------|------|-----|---------|-------------|--------|
| 2) Dichlorodifluoromethane     | 1.84 | 85  | 378816  | 9.051 ug/L  | 92     |
| 3) Chloromethane               | 2.02 | 50  | 633561  | 9.532 ug/L  | 97     |
| 5) Vinyl chloride              | 2.17 | 62  | 611567  | 9.236 ug/L  | 99     |
| 6) Bromomethane                | 2.52 | 94  | 416541  | 9.525 ug/L  | 99     |
| 8) Chloroethane                | 2.66 | 64  | 385183  | 9.388 ug/L  | 99     |
| 9) Trichlorofluoromethane      | 2.94 | 101 | 876365m | 9.168 ug/L  |        |
| 10) 1,1,2-Trichloro-1,2,2-trif | 3.69 | 101 | 482442  | 8.466 ug/L  | 98     |
| 12) 1,1-Dichloroethene         | 3.63 | 96  | 551696  | 9.105 ug/L  | 91     |
| 13) Acetone                    | 3.70 | 43  | 407525  | 88.050 ug/L | 99     |
| 14) Carbon disulfide           | 3.93 | 76  | 1578528 | 9.965 ug/L  | 98     |
| 15) Methyl Acetate             | 4.19 | 43  | 101349  | 8.383 ug/L  | 99     |
| 16) Methylene chloride         | 4.40 | 84  | 471389  | 8.579 ug/L  | 96     |
| 17) Methyl tert-butyl Ether    | 4.89 | 73  | 530208  | 9.638 ug/L  | 98     |
| 18) trans-1,2-Dichloroethene   | 4.89 | 96  | 451723  | 9.858 ug/L  | 89     |
| 19) 1,1-Dichloroethane         | 5.69 | 63  | 813143  | 9.452 ug/L  | 97     |
| 21) 2-Butanone                 | 6.69 | 43  | 522850  | 97.923 ug/L | 100    |
| 22) cis-1,2-Dichloroethene     | 6.67 | 96  | 440790  | 10.169 ug/L | 95     |
| 23) Bromochloromethane         | 7.05 | 128 | 120330  | 9.896 ug/L  | 95     |
| 25) Chloroform                 | 7.23 | 83  | 800546  | 9.534 ug/L  | 100    |
| 27) 1,2-Dichloroethane         | 7.99 | 62  | 380014  | 9.246 ug/L  | 97     |
| 29) 1,1,1-Trichloroethane      | 7.43 | 97  | 699383  | 9.340 ug/L  | 99     |
| 30) Cyclohexane                | 7.52 | 56  | 708716  | 9.429 ug/L  | 98     |
| 31) Carbon tetrachloride       | 7.63 | 117 | 622888  | 9.149 ug/L  | 99     |
| 33) Benzene                    | 7.91 | 78  | 1971994 | 9.591 ug/L  | 100    |
| 34) Trichloroethene            | 8.71 | 95  | 492549  | 9.359 ug/L  | 99     |
| 35) Methylcyclohexane          | 8.95 | 83  | 723944  | 9.240 ug/L  | 99     |
| 37) 1,2-Dichloropropane        | 8.99 | 63  | 396588  | 9.142 ug/L  | 100    |
| 38) Bromodichloromethane       | 9.28 | 83  | 461272  | 9.888 ug/L  | 99     |
| 39) cis-1,3-Dichloropropene    | 9.72 | 75  | 519875  | 10.471 ug/L | 98     |
| 40) 4-Methyl-2-pentanone       | 9.86 | 43  | 1302399 | 98.310 ug/L | 98     |

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| Internal Standards              | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|---------------------------------|-------|------|----------|--------|--------|----------|
| -----                           |       |      |          |        |        |          |
| 42) Toluene                     | 10.04 | 91   | 2135654  | 9.841  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene   | 10.26 | 75   | 352744   | 10.169 | ug/L   | 93       |
| 45) 1,1,2-Trichloroethane       | 10.45 | 97   | 175066   | 9.568  | ug/L   | 98       |
| 47) Tetrachloroethene           | 10.51 | 164  | 344545   | 9.168  | ug/L   | 93       |
| 48) 2-Hexanone                  | 10.63 | 43   | 858970   | 99.273 | ug/L   | 99       |
| 49) Dibromochloromethane        | 10.79 | 129  | 218840   | 10.628 | ug/L   | 98       |
| 50) 1,2-Dibromoethane           | 10.89 | 107  | 154447   | 9.770  | ug/L # | 92       |
| 51) Chlorobenzene               | 11.32 | 112  | 1128693  | 9.395  | ug/L   | 100      |
| 52) Ethylbenzene                | 11.39 | 91   | 2480552  | 9.940  | ug/L   | 98       |
| 53) m,p-Xylene                  | 11.50 | 106  | 922469   | 10.146 | ug/L   | 93       |
| 54) o-Xylene                    | 11.83 | 106  | 872721   | 10.470 | ug/L   | 93       |
| 55) Styrene                     | 11.84 | 104  | 1330534  | 10.371 | ug/L   | 97       |
| 56) Isopropylbenzene            | 12.13 | 105  | 2375711  | 10.262 | ug/L   | 99       |
| 58) 1,1,1,2,2-Tetrachloroethane | 12.39 | 83   | 172184   | 9.259  | ug/L   | 94       |
| 59) 1,2,3-Trichloropropane      | 12.43 | 75   | 125901   | 9.221  | ug/L   | 96       |
| 61) Bromoform                   | 12.01 | 173  | 79310    | 10.498 | ug/L   | 97       |
| 62) 1,3-Dichlorobenzene         | 13.16 | 146  | 683807   | 9.470  | ug/L   | 100      |
| 63) 1,4-Dichlorobenzene         | 13.24 | 146  | 687607   | 9.195  | ug/L   | 97       |
| 65) 1,2-Dichlorobenzene         | 13.53 | 146  | 551668   | 9.520  | ug/L   | 99       |
| 66) 1,2-Dibromo-3-chloropropan  | 14.14 | 75   | 19854    | 8.409  | ug/L # | 80       |
| 67) 1,3,5-Trichlorobenzene      | 14.29 | 180  | 418755   | 9.518  | ug/L   | 99       |
| 68) 1,2,4-trichlorobenzene      | 14.78 | 180  | 252181   | 9.820  | ug/L   | 98       |
| 69) Naphthalene                 | 15.00 | 128  | 280452   | 11.247 | ug/L   | 97       |
| 70) 1,2,3-Trichlorobenzene      | 15.18 | 180  | 175574   | 9.844  | ug/L   | 98       |
| -----                           |       |      |          |        |        |          |

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

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