

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR101019\  
 Data File : VR026656.D  
 Acq On : 10 Oct 2019 18:23  
 Operator : SY/MD  
 Sample : VSTD00165  
 Misc : 25mL/MSVOA\_R/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VSTD00165

Quant Time: Oct 11 06:42:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR101019WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Oct 11 05:48:01 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.48  | 114  | 197764   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.30 | 117  | 167544   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.24 | 152  | 86957    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |       |      |      |
|--------------------------------|-------|-----|-------|-------|------|------|
| 4) Vinyl Chloride-d3           | 2.20  | 65  | 12456 | 1.86  | ug/L | 0.01 |
| 7) Chloroethane-d5             | 2.65  | 69  | 10525 | 1.85  | ug/L | 0.02 |
| 11) 1,1-Dichloroethene-d2      | 3.65  | 63  | 30418 | 1.71  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 6.62  | 46  | 12808 | 10.35 | ug/L | 0.00 |
| 24) Chloroform-d               | 7.23  | 84  | 37214 | 1.51  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 7.91  | 65  | 12951 | 1.61  | ug/L | 0.00 |
| 32) Benzene-d6                 | 7.88  | 84  | 68011 | 1.39  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 8.92  | 67  | 19402 | 1.56  | ug/L | 0.00 |
| 41) Toluene-d8                 | 9.99  | 98  | 52566 | 1.38  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 10.25 | 79  | 5360  | 1.84  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 10.61 | 63  | 9950  | 11.91 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 12.38 | 84  | 8787  | 1.37  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 13.53 | 152 | 17141 | 1.41  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |              | Qvalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.86 | 85  | 35777  | 1.460 ug/L   | 96     |
| 3) Chloromethane               | 2.06 | 50  | 17390  | 1.391 ug/L   | 88     |
| 5) Vinyl chloride              | 2.21 | 62  | 16393  | 1.316 ug/L   | 98     |
| 6) Bromomethane                | 2.54 | 94  | 12425  | 1.550 ug/L   | 80     |
| 8) Chloroethane                | 2.68 | 64  | 10117  | 1.413 ug/L   | 86     |
| 9) Trichlorofluoromethane      | 2.98 | 101 | 32347  | 1.460 ug/L # | 57     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 3.70 | 101 | 13225  | 1.385 ug/L # | 54     |
| 12) 1,1-Dichloroethene         | 3.69 | 96  | 12371  | 1.334 ug/L # | 66     |
| 13) Acetone                    | 3.73 | 43  | 13398  | 14.364 ug/L  | 85     |
| 14) Carbon disulfide           | 3.97 | 76  | 82975  | 1.819 ug/L   | 95     |
| 15) Methyl Acetate             | 4.22 | 43  | 4925   | 1.269 ug/L   | 97     |
| 16) Methylene chloride         | 4.44 | 84  | 28332m | 1.463 ug/L   |        |
| 17) Methyl tert-butyl Ether    | 4.94 | 73  | 18301  | 0.957 ug/L # | 90     |
| 18) trans-1,2-Dichloroethene   | 4.92 | 96  | 23591  | 1.223 ug/L   | 83     |
| 19) 1,1-Dichloroethane         | 5.72 | 63  | 42803  | 1.213 ug/L # | 92     |
| 21) 2-Butanone                 | 6.72 | 43  | 17267  | 10.398 ug/L  | 92     |
| 22) cis-1,2-Dichloroethene     | 6.70 | 96  | 18473  | 1.010 ug/L # | 94     |
| 23) Bromochloromethane         | 7.08 | 128 | 6436   | 1.245 ug/L   | 93     |
| 25) Chloroform                 | 7.25 | 83  | 42839  | 1.248 ug/L   | 84     |
| 27) 1,2-Dichloroethane         | 8.02 | 62  | 16803m | 1.370 ug/L   |        |
| 29) 1,1,1-Trichloroethane      | 7.45 | 97  | 28466  | 1.029 ug/L   | 97     |
| 30) Cyclohexane                | 7.54 | 56  | 25902  | 0.858 ug/L   | 95     |
| 31) Carbon tetrachloride       | 7.66 | 117 | 28172  | 1.175 ug/L   | 97     |
| 33) Benzene                    | 7.93 | 78  | 86574  | 1.114 ug/L   | 100    |
| 34) Trichloroethene            | 8.73 | 95  | 24290  | 1.260 ug/L   | 87     |
| 35) Methylcyclohexane          | 8.97 | 83  | 28572  | 0.966 ug/L   | 91     |
| 37) 1,2-Dichloropropane        | 9.02 | 63  | 17377  | 1.125 ug/L # | 94     |
| 38) Bromodichloromethane       | 9.30 | 83  | 19302  | 1.157 ug/L # | 94     |
| 39) cis-1,3-Dichloropropene    | 9.74 | 75  | 15358  | 0.938 ug/L   | 99     |
| 40) 4-Methyl-2-pentanone       | 9.89 | 43  | 32338  | 8.521 ug/L   | 94     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR101019\  
 Data File : VR026656.D  
 Acq On : 10 Oct 2019 18:23  
 Operator : SY/MD  
 Sample : VSTD00165  
 Misc : 25mL/MSVOA\_R/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VSTD00165

Quant Time: Oct 11 06:42:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR101019WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Oct 11 05:48:01 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 42) Toluene                    | 10.05 | 91   | 72032    | 1.055 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene  | 10.28 | 75   | 9376     | 0.876 | ug/L # | 64       |
| 45) 1,1,2-Trichloroethane      | 10.46 | 97   | 8346     | 1.250 | ug/L   | 94       |
| 47) Tetrachloroethene          | 10.53 | 164  | 14098    | 1.205 | ug/L   | 82       |
| 48) 2-Hexanone                 | 10.65 | 43   | 23936    | 9.884 | ug/L   | 94       |
| 49) Dibromochloromethane       | 10.80 | 129  | 8041     | 1.104 | ug/L   | 91       |
| 50) 1,2-Dibromoethane          | 10.91 | 107  | 7206     | 1.244 | ug/L # | 67       |
| 51) Chlorobenzene              | 11.33 | 112  | 46390    | 1.174 | ug/L   | 97       |
| 52) Ethylbenzene               | 11.41 | 91   | 73299    | 0.953 | ug/L   | 98       |
| 53) m,p-Xylene                 | 11.52 | 106  | 27258    | 0.983 | ug/L   | 91       |
| 54) o-Xylene                   | 11.84 | 106  | 25138    | 0.926 | ug/L   | 90       |
| 55) Styrene                    | 11.86 | 104  | 38807    | 0.998 | ug/L   | 87       |
| 56) Isopropylbenzene           | 12.15 | 105  | 72372    | 0.941 | ug/L   | 96       |
| 58) 1,1,2,2-Tetrachloroethane  | 12.40 | 83   | 8956     | 1.152 | ug/L # | 98       |
| 59) 1,2,3-Trichloropropane     | 12.45 | 75   | 6815     | 1.233 | ug/L   | 93       |
| 61) Bromoform                  | 12.02 | 173  | 3552     | 1.023 | ug/L # | 81       |
| 62) 1,3-Dichlorobenzene        | 13.18 | 146  | 31125    | 0.987 | ug/L   | 97       |
| 63) 1,4-Dichlorobenzene        | 13.26 | 146  | 34716    | 1.103 | ug/L   | 95       |
| 65) 1,2-Dichlorobenzene        | 13.54 | 146  | 27664    | 1.043 | ug/L   | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 14.17 | 75   | 1957     | 1.457 | ug/L # | 81       |
| 67) 1,3,5-Trichlorobenzene     | 14.31 | 180  | 23522    | 0.934 | ug/L   | 92       |
| 68) 1,2,4-trichlorobenzene     | 14.80 | 180  | 17138    | 0.970 | ug/L   | 92       |
| 69) Naphthalene                | 15.02 | 128  | 13620    | 0.590 | ug/L # | 88       |
| 70) 1,2,3-Trichlorobenzene     | 15.20 | 180  | 17928    | 1.116 | ug/L   | 96       |

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR101019\  
Data File : VR026656.D  
Acq On : 10 Oct 2019 18:23  
Operator : SY/MD  
Sample : VSTD00165  
Misc : 25mL/MSVOA\_R/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTD00165

Quant Time: Oct 11 06:42:28 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR101019WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Oct 11 05:48:01 2019  
Response via : Initial Calibration

