

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050820\  
 Data File : VX016113.D  
 Acq On : 08 May 2020 12:00  
 Operator : JC/SP  
 Sample : VX0508WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0508WBS01

Quant Time: May 09 02:42:22 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X050420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 06 06:43:32 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 315006   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 492278   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 451555   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 222478   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.03   | 65  | 188272   | 45.42 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.84% |      |
| 35) Dibromofluoromethane  | 5.46   | 113 | 144604   | 46.37 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.74% |      |
| 50) Toluene-d8            | 8.70   | 98  | 576742   | 47.99 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.98% |      |
| 62) 4-Bromofluorobenzene  | 11.12  | 95  | 216130   | 47.29 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.58% |      |

## Target Compounds

|                               |      |     |        |        |      | Qvalue |
|-------------------------------|------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.18 | 85  | 62684  | 18.800 | ug/l | 98     |
| 3) Chloromethane              | 1.31 | 50  | 68962  | 17.810 | ug/l | 99     |
| 4) Vinyl Chloride             | 1.39 | 62  | 71903  | 17.405 | ug/l | 99     |
| 5) Bromomethane               | 1.63 | 94  | 47373  | 22.746 | ug/l | 95     |
| 6) Chloroethane               | 1.71 | 64  | 44574  | 17.733 | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 95899  | 17.682 | ug/l | 97     |
| 8) Diethyl Ether              | 2.17 | 74  | 38796  | 16.977 | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.36 | 101 | 57658  | 18.426 | ug/l | 99     |
| 10) Methyl Iodide             | 2.49 | 142 | 68865  | 16.384 | ug/l | 100    |
| 11) Tert butyl alcohol        | 3.01 | 59  | 88705  | 84.626 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 57148  | 17.452 | ug/l | 93     |
| 13) Acrolein                  | 2.27 | 56  | 45982  | 70.102 | ug/l | 98     |
| 14) Allyl chloride            | 2.70 | 41  | 105091 | 17.504 | ug/l | 99     |
| 15) Acrylonitrile             | 3.11 | 53  | 188684 | 86.771 | ug/l | 99     |
| 16) Acetone                   | 2.42 | 43  | 158271 | 85.574 | ug/l | 100    |
| 17) Carbon Disulfide          | 2.55 | 76  | 173748 | 17.535 | ug/l | 98     |
| 18) Methyl Acetate            | 2.75 | 43  | 81611  | 17.946 | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 3.17 | 73  | 206394 | 18.284 | ug/l | 100    |
| 20) Methylene Chloride        | 2.83 | 84  | 66500  | 17.441 | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 3.14 | 96  | 63515  | 17.406 | ug/l | 94     |
| 22) Diisopropyl ether         | 3.82 | 45  | 205397 | 18.134 | ug/l | 92     |
| 23) Vinyl Acetate             | 3.78 | 43  | 894167 | 89.729 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.67 | 63  | 115257 | 18.190 | ug/l | 99     |
| 25) 2-Butanone                | 4.64 | 43  | 258987 | 86.898 | ug/l | 97     |
| 26) 2,2-Dichloropropane       | 4.55 | 77  | 105055 | 18.155 | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.56 | 96  | 73710  | 18.477 | ug/l | 97     |
| 28) Bromochloromethane        | 4.98 | 49  | 50071  | 17.330 | ug/l | 98     |
| 29) Tetrahydrofuran           | 5.09 | 42  | 170777 | 86.479 | ug/l | 100    |
| 30) Chloroform                | 5.18 | 83  | 115297 | 18.276 | ug/l | 95     |
| 31) Cyclohexane               | 5.54 | 56  | 105308 | 18.288 | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 5.46 | 97  | 105084 | 18.325 | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 5.77 | 75  | 88621  | 18.288 | ug/l | 99     |
| 37) Ethyl Acetate             | 4.79 | 43  | 98862  | 17.602 | ug/l | 99     |
| 38) Carbon Tetrachloride      | 5.75 | 117 | 91611  | 18.600 | ug/l | 96     |

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 Quant Title : SW846 8260  
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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 7.44  | 83   | 108049   | 18.515  | ug/l  | 99       |
| 40) Benzene                    | 6.11  | 78   | 263603   | 18.592  | ug/l  | 99       |
| 41) Methacrylonitrile          | 5.00  | 41   | 54805    | 18.069  | ug/l  | 99       |
| 42) 1,2-Dichloroethane         | 6.16  | 62   | 94183    | 18.440  | ug/l  | 99       |
| 43) Isopropyl Acetate          | 6.41  | 43   | 160026   | 17.858  | ug/l  | 99       |
| 44) Trichloroethene            | 7.19  | 130  | 93785    | 18.619  | ug/l  | 94       |
| 45) 1,2-Dichloropropane        | 7.49  | 63   | 68257    | 19.026  | ug/l  | 100      |
| 46) Dibromomethane             | 7.64  | 93   | 44633    | 18.307  | ug/l  | 99       |
| 47) Bromodichloromethane       | 7.87  | 83   | 91946    | 18.517  | ug/l  | 99       |
| 48) Methyl methacrylate        | 7.74  | 41   | 74184    | 17.471  | ug/l  | 98       |
| 49) 1,4-Dioxane                | 7.71  | 88   | 36567    | 359.068 | ug/l  | 98       |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 497982   | 90.811  | ug/l  | 99       |
| 52) Toluene                    | 8.76  | 92   | 166319   | 18.819  | ug/l  | 100      |
| 53) t-1,3-Dichloropropene      | 9.02  | 75   | 108464   | 18.320  | ug/l  | 98       |
| 54) cis-1,3-Dichloropropene    | 8.41  | 75   | 113709   | 18.388  | ug/l  | 97       |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 64864    | 18.655  | ug/l  | 99       |
| 56) Ethyl methacrylate         | 9.16  | 69   | 103196   | 18.182  | ug/l  | 99       |
| 57) 1,3-Dichloropropane        | 9.35  | 76   | 112729   | 18.580  | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 265751   | 87.951  | ug/l  | 99       |
| 59) 2-Hexanone                 | 9.47  | 43   | 383841   | 89.131  | ug/l  | 100      |
| 60) Dibromochloromethane       | 9.57  | 129  | 70383    | 18.379  | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 9.65  | 107  | 69680    | 18.501  | ug/l  | 100      |
| 64) Tetrachloroethene          | 9.32  | 164  | 105127   | 18.964  | ug/l  | 98       |
| 65) Chlorobenzene              | 10.12 | 112  | 174873   | 18.495  | ug/l  | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 64991    | 18.597  | ug/l  | 99       |
| 67) Ethyl Benzene              | 10.24 | 91   | 316222   | 18.744  | ug/l  | 99       |
| 68) m/p-Xylenes                | 10.34 | 106  | 239506   | 37.893  | ug/l  | 99       |
| 69) o-Xylene                   | 10.68 | 106  | 113212   | 18.634  | ug/l  | 98       |
| 70) Styrene                    | 10.70 | 104  | 190732   | 18.504  | ug/l  | 100      |
| 71) Bromoform                  | 10.84 | 173  | 51693    | 18.156  | ug/l  | 100      |
| 73) Isopropylbenzene           | 11.00 | 105  | 307278   | 18.989  | ug/l  | 98       |
| 74) N-amyl acetate             | 10.88 | 43   | 133977   | 17.750  | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 49976    | 18.102  | ug/l  | 98       |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 94775m   | 18.773  | ug/l  |          |
| 77) Bromobenzene               | 11.24 | 156  | 75560    | 18.091  | ug/l  | 98       |
| 78) n-propylbenzene            | 11.34 | 91   | 352679   | 18.735  | ug/l  | 99       |
| 79) 2-Chlorotoluene            | 11.40 | 91   | 208613   | 18.774  | ug/l  | 98       |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 257416   | 18.841  | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 11.06 | 75   | 38429    | 18.140  | ug/l  | 99       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 244956   | 18.668  | ug/l  | 100      |
| 83) tert-Butylbenzene          | 11.76 | 119  | 219333   | 18.628  | ug/l  | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 260732   | 18.876  | ug/l  | 99       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 298968   | 18.806  | ug/l  | 99       |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 278079   | 18.840  | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 137327   | 18.311  | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 12.08 | 146  | 137031   | 18.002  | ug/l  | 98       |
| 89) n-Butylbenzene             | 12.37 | 91   | 245246   | 18.188  | ug/l  | 100      |
| 90) Hexachloroethane           | 12.58 | 117  | 46698    | 18.422  | ug/l  | 99       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 134529   | 18.629  | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 22304    | 16.763  | ug/l  | 99       |

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Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.63 | 180  | 97390    | 18.216 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 13.77 | 225  | 44360    | 19.591 | ug/l  | 97       |
| 95) Naphthalene            | 13.82 | 128  | 311843   | 18.014 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 95038    | 18.189 | ug/l  | 99       |

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

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