

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030719\  
 Data File : VX007882.D  
 Acq On : 07 Mar 2019 14:31  
 Operator : JC/SP  
 Sample : VX0307WBSD01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0307WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 3/8/2019 9:40:40 AM

Quant Time: Mar 08 05:59:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X030619W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 07 07:33:26 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 269412   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 399622   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 347853   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 171007   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 150409   | 52.92  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 105.84% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 129990   | 50.85  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 101.70% |          |
| 50) Toluene-d8              | 8.71  | 98   | 472065   | 50.28  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 100.56% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 164849   | 50.08  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 100.16% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85   | 42732    | 18.565  | ug/l  | 98     |
| 3) Chloromethane              | 1.33 | 50   | 57143    | 19.264  | ug/l  | 99     |
| 4) Vinyl Chloride             | 1.41 | 62   | 56878    | 19.298  | ug/l  | 99     |
| 5) Bromomethane               | 1.64 | 94   | 29522    | 20.683  | ug/l  | 98     |
| 6) Chloroethane               | 1.73 | 64   | 36614    | 18.700  | ug/l  | 99     |
| 7) Trichlorofluoromethane     | 1.93 | 101  | 72122    | 18.795  | ug/l  | 98     |
| 8) Diethyl Ether              | 2.19 | 74   | 33078    | 19.906  | ug/l  | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101  | 43869    | 18.448  | ug/l  | 99     |
| 10) Methyl Iodide             | 2.51 | 142  | 67710    | 20.071  | ug/l  | 100    |
| 11) Tert butyl alcohol        | 3.07 | 59   | 66846    | 105.174 | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 2.38 | 96   | 43591    | 19.017  | ug/l  | 99     |
| 13) Acrolein                  | 2.30 | 56   | 37804    | 105.999 | ug/l  | 97     |
| 14) Allyl chloride            | 2.73 | 41   | 91844    | 19.068  | ug/l  | 98     |
| 15) Acrylonitrile             | 3.15 | 53   | 158743   | 98.951  | ug/l  | 99     |
| 16) Acetone                   | 2.45 | 43   | 133204   | 80.976  | ug/l  | 99     |
| 17) Carbon Disulfide          | 2.57 | 76   | 132032   | 18.687  | ug/l  | 100    |
| 18) Methyl Acetate            | 2.78 | 43   | 71153    | 20.360  | ug/l  | 100    |
| 19) Methyl tert-butyl Ether   | 3.21 | 73   | 158884   | 20.148  | ug/l  | 100    |
| 20) Methylene Chloride        | 2.86 | 84   | 51007    | 19.483  | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96   | 46966    | 18.621  | ug/l  | 98     |
| 22) Diisopropyl ether         | 3.87 | 45   | 178046   | 20.165  | ug/l  | 98     |
| 23) Vinyl Acetate             | 3.82 | 43   | 771704   | 99.669  | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 3.70 | 63   | 92740    | 19.518  | ug/l  | 100    |
| 25) 2-Butanone                | 4.70 | 43   | 220207   | 94.555  | ug/l  | 99     |
| 26) 2,2-Dichloropropane       | 4.59 | 77   | 53826    | 17.099  | ug/l  | 100    |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96   | 55217    | 19.132  | ug/l  | 99     |
| 28) Bromochloromethane        | 5.02 | 49   | 44738    | 20.196  | ug/l  | 98     |
| 29) Tetrahydrofuran           | 5.15 | 42   | 147225   | 101.347 | ug/l  | 99     |
| 30) Chloroform                | 5.21 | 83   | 89090    | 19.821  | ug/l  | 99     |
| 31) Cyclohexane               | 5.57 | 56   | 79729    | 18.257  | ug/l  | 97     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97   | 71727    | 19.234  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 5.80 | 75   | 65261    | 18.035  | ug/l  | 100    |
| 37) Ethyl Acetate             | 4.85 | 43   | 83051    | 19.341  | ug/l  | 100    |
| 38) Carbon Tetrachloride      | 5.78 | 117  | 61467    | 17.893  | ug/l  | 98     |

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 Sample : VX0307WBSD01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VX0307WBSD01

Manual Integrations  
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 3/8/2019 9:40:40 AM

Quant Time: Mar 08 05:59:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X030619W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 07 07:33:26 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 77113    | 17.587  | ug/l  | 97       |
| 40) Benzene                    | 6.14  | 78   | 207920   | 19.301  | ug/l  | 99       |
| 41) Methacrylonitrile          | 5.06  | 41   | 46523    | 19.872  | ug/l  | 98       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 69258    | 19.659  | ug/l  | 99       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 123377   | 19.414  | ug/l  | 100      |
| 44) Trichloroethene            | 7.21  | 130  | 53685    | 18.084  | ug/l  | 99       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 55741    | 19.591  | ug/l  | 99       |
| 46) Dibromomethane             | 7.66  | 93   | 35023    | 19.451  | ug/l  | 100      |
| 47) Bromodichloromethane       | 7.90  | 83   | 64349    | 18.849  | ug/l  | 100      |
| 48) Methyl methacrylate        | 7.77  | 41   | 64466    | 19.294  | ug/l  | 99       |
| 49) 1,4-Dioxane                | 7.75  | 88   | 27242    | 396.905 | ug/l  | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 411524   | 100.692 | ug/l  | 100      |
| 52) Toluene                    | 8.79  | 92   | 125162   | 19.031  | ug/l  | 100      |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 65942    | 18.507  | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 75831    | 18.846  | ug/l  | 99       |
| 55) 1,1,2-Trichloroethane      | 9.21  | 97   | 52830    | 19.843  | ug/l  | 98       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 79674    | 19.931  | ug/l  | 99       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 88533    | 19.805  | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 210933   | 102.009 | ug/l  | 100      |
| 59) 2-Hexanone                 | 9.49  | 43   | 308753   | 97.306  | ug/l  | 100      |
| 60) Dibromochloromethane       | 9.58  | 129  | 53079    | 19.074  | ug/l  | 98       |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 55250    | 19.546  | ug/l  | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 53385    | 18.520  | ug/l  | 99       |
| 65) Chlorobenzene              | 10.14 | 112  | 136651   | 18.773  | ug/l  | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 50008    | 19.169  | ug/l  | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 224567   | 18.742  | ug/l  | 99       |
| 68) m/p-Xylenes                | 10.36 | 106  | 173101   | 37.480  | ug/l  | 99       |
| 69) o-Xylene                   | 10.69 | 106  | 84443    | 18.938  | ug/l  | 100      |
| 70) Styrene                    | 10.71 | 104  | 139512   | 19.120  | ug/l  | 99       |
| 71) Bromoform                  | 10.85 | 173  | 41145    | 18.365  | ug/l  | # 99     |
| 73) Isopropylbenzene           | 11.02 | 105  | 225396   | 19.489  | ug/l  | 99       |
| 74) N-amyl acetate             | 10.90 | 43   | 104129   | 19.722  | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 79575    | 19.947  | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane     | 11.29 | 75   | 74721m   | 20.823  | ug/l  |          |
| 77) Bromobenzene               | 11.26 | 156  | 60802    | 19.175  | ug/l  | 99       |
| 78) n-propylbenzene            | 11.36 | 91   | 246730   | 19.230  | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 148639   | 18.947  | ug/l  | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 185907   | 19.530  | ug/l  | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 19889    | 17.717  | ug/l  | 92       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 169596   | 18.864  | ug/l  | 100      |
| 83) tert-Butylbenzene          | 11.77 | 119  | 181945   | 18.975  | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105  | 189207   | 19.390  | ug/l  | 100      |
| 85) sec-Butylbenzene           | 11.94 | 105  | 217312   | 19.243  | ug/l  | 99       |
| 86) p-Isopropyltoluene         | 12.06 | 119  | 194282   | 19.210  | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 104459   | 18.621  | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 105700   | 18.399  | ug/l  | 99       |
| 89) n-Butylbenzene             | 12.38 | 91   | 156583   | 18.275  | ug/l  | 100      |
| 90) Hexachloroethane           | 12.60 | 117  | 30451    | 18.008  | ug/l  | 100      |
| 91) 1,2-Dichlorobenzene        | 12.39 | 146  | 106472   | 19.106  | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 15543    | 18.642  | ug/l  | 99       |

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Quant Title : SW846 8260  
QLast Update : Thu Mar 07 07:33:26 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 71318    | 18.217 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.78 | 225  | 38499    | 18.810 | ug/l  | 98       |
| 95) Naphthalene            | 13.83 | 128  | 216604   | 19.202 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 73740    | 18.908 | ug/l  | 99       |

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

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