

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100920\  
 Data File : VX018849.D  
 Acq On : 09 Oct 2020 11:07  
 Operator : JC/SP  
 Sample : VSTDIC001  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC001

Manual Integrations  
 APPROVED

MMDadoda  
 10/12/2020 2:23:16 PM

Quant Time: Oct 10 05:59:37 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X100920W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 09 13:36:35 2020  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene         | 5.62  | 168  | 199044   | 50.00 | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene       | 6.83  | 114  | 306928   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.10 | 117  | 290150   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.06 | 152  | 141783   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds   |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4     | 0.00  | 65   | 0d       | 0.00  | ug/l   |          |
| Spiked Amount 50.000          |       |      | Recovery | =     | 0.00%  |          |
| 35) Dibromofluoromethane      | 0.00  | 113  | 0d       | 0.00  | ug/l   |          |
| Spiked Amount 50.000          |       |      | Recovery | =     | 0.00%  |          |
| 50) Toluene-d8                | 0.00  | 98   | 0d       | 0.00  | ug/l   |          |
| Spiked Amount 50.000          |       |      | Recovery | =     | 0.00%  |          |
| 62) 4-Bromofluorobenzene      | 0.00  | 95   | 0d       | 0.00  | ug/l   |          |
| Spiked Amount 50.000          |       |      | Recovery | =     | 0.00%  |          |
| Target Compounds              |       |      |          |       |        |          |
|                               |       |      |          |       | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.18  | 85   | 1400     | 0.717 | ug/l   | 72       |
| 3) Chloromethane              | 1.31  | 50   | 2173     | 1.005 | ug/l   | 100      |
| 4) Vinyl Chloride             | 1.40  | 62   | 2258     | 0.983 | ug/l   | 98       |
| 6) Chloroethane               | 1.72  | 64   | 1705     | 1.279 | ug/l # | 62       |
| 7) Trichlorofluoromethane     | 1.92  | 101  | 4529     | 1.243 | ug/l   | 99       |
| 8) Diethyl Ether              | 2.17  | 74   | 1615     | 1.304 | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37  | 101  | 2126     | 1.112 | ug/l   | 90       |
| 12) 1,1-Dichloroethene        | 2.36  | 96   | 2650     | 1.387 | ug/l # | 69       |
| 14) Allyl chloride            | 2.71  | 41   | 3639     | 0.994 | ug/l # | 90       |
| 15) Acrylonitrile             | 3.11  | 53   | 5193     | 4.589 | ug/l   | 95       |
| 16) Acetone                   | 2.42  | 43   | 9145     | 8.367 | ug/l # | 82       |
| 17) Carbon Disulfide          | 2.55  | 76   | 5913     | 1.039 | ug/l # | 94       |
| 18) Methyl Acetate            | 2.75  | 43   | 2935     | 1.127 | ug/l   | 98       |
| 19) Methyl tert-butyl Ether   | 3.17  | 73   | 6093     | 0.915 | ug/l   | 97       |
| 20) Methylene Chloride        | 2.83  | 84   | 2828     | 1.203 | ug/l # | 83       |
| 21) trans-1,2-Dichloroethene  | 3.14  | 96   | 2426     | 1.090 | ug/l # | 86       |
| 22) Diisopropyl ether         | 3.82  | 45   | 6198     | 0.908 | ug/l # | 91       |
| 23) Vinyl Acetate             | 3.78  | 43   | 25929    | 4.219 | ug/l   | 95       |
| 24) 1,1-Dichloroethane        | 3.67  | 63   | 4856     | 1.209 | ug/l   | 96       |
| 25) 2-Butanone                | 4.64  | 43   | 8394     | 5.059 | ug/l   | 97       |
| 26) 2,2-Dichloropropane       | 4.54  | 77   | 4495     | 1.196 | ug/l   | 92       |
| 27) cis-1,2-Dichloroethene    | 4.57  | 96   | 2650     | 1.067 | ug/l   | 94       |
| 28) Bromochloromethane        | 4.98  | 49   | 2453m    | 1.319 | ug/l   |          |
| 29) Tetrahydrofuran           | 5.10  | 42   | 4239     | 4.164 | ug/l # | 49       |
| 30) Chloroform                | 5.18  | 83   | 5272     | 1.277 | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane     | 5.46  | 97   | 4865     | 1.253 | ug/l # | 38       |
| 36) 1,1-Dichloropropene       | 5.76  | 75   | 3828     | 1.279 | ug/l   | 95       |
| 37) Ethyl Acetate             | 4.79  | 43   | 3308     | 1.044 | ug/l # | 94       |
| 38) Carbon Tetrachloride      | 5.74  | 117  | 4018     | 1.184 | ug/l   | 92       |
| 39) Methylcyclohexane         | 7.44  | 83   | 3150m    | 0.961 | ug/l   |          |
| 40) Benzene                   | 6.10  | 78   | 9563     | 1.121 | ug/l   | 92       |
| 41) Methacrylonitrile         | 4.98  | 41   | 2159m    | 1.224 | ug/l   |          |
| 42) 1,2-Dichloroethane        | 6.17  | 62   | 4899     | 1.439 | ug/l   | 90       |
| 43) Isopropyl Acetate         | 6.40  | 43   | 5500     | 1.050 | ug/l   | 92       |

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 QLast Update : Fri Oct 09 13:36:35 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 44) Trichloroethene            | 7.18  | 130  | 2953     | 1.193  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 7.49  | 63   | 2601     | 1.116  | ug/l   | 93       |
| 46) Dibromomethane             | 7.63  | 93   | 1777     | 1.101  | ug/l   | 87       |
| 47) Bromodichloromethane       | 7.88  | 83   | 4075     | 1.236  | ug/l # | 96       |
| 48) Methyl methacrylate        | 7.74  | 41   | 2717     | 1.058  | ug/l   | 95       |
| 49) 1,4-Dioxane                | 7.71  | 88   | 846      | 20.394 | ug/l # | 81       |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 12600    | 4.021  | ug/l   | 94       |
| 52) Toluene                    | 8.77  | 92   | 5406     | 0.999  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene      | 9.02  | 75   | 3757     | 1.011  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene    | 8.41  | 75   | 3890     | 1.024  | ug/l # | 82       |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 2540     | 1.133  | ug/l # | 90       |
| 56) Ethyl methacrylate         | 9.16  | 69   | 2464     | 0.750  | ug/l # | 75       |
| 57) 1,3-Dichloropropane        | 9.35  | 76   | 3803     | 1.010  | ug/l   | 93       |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 7444     | 4.240  | ug/l   | 94       |
| 59) 2-Hexanone                 | 9.47  | 43   | 9222     | 3.870  | ug/l   | 98       |
| 60) Dibromochloromethane       | 9.56  | 129  | 3039     | 1.128  | ug/l   | 93       |
| 61) 1,2-Dibromoethane          | 9.66  | 107  | 2605     | 1.090  | ug/l   | 100      |
| 64) Tetrachloroethene          | 9.31  | 164  | 2782     | 1.223  | ug/l   | 86       |
| 65) Chlorobenzene              | 10.12 | 112  | 6607     | 1.099  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.20 | 131  | 2597     | 1.076  | ug/l # | 68       |
| 67) Ethyl Benzene              | 10.23 | 91   | 10161    | 0.975  | ug/l   | 91       |
| 68) m/p-Xylenes                | 10.34 | 106  | 7119     | 1.802  | ug/l   | 96       |
| 69) o-Xylene                   | 10.69 | 106  | 3232     | 0.867  | ug/l   | 94       |
| 70) Styrene                    | 10.70 | 104  | 5010     | 0.780  | ug/l   | 97       |
| 71) Bromoform                  | 10.84 | 173  | 2297     | 1.127  | ug/l # | 83       |
| 73) Isopropylbenzene           | 11.00 | 105  | 7879     | 0.830  | ug/l   | 98       |
| 74) N-amyl acetate             | 10.88 | 43   | 3010     | 0.717  | ug/l # | 88       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.26 | 83   | 3421     | 1.099  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 3739m    | 1.258  | ug/l   |          |
| 77) Bromobenzene               | 11.23 | 156  | 2573     | 0.983  | ug/l   | 96       |
| 78) n-propylbenzene            | 11.34 | 91   | 9414     | 0.852  | ug/l   | 96       |
| 79) 2-Chlorotoluene            | 11.40 | 91   | 6299     | 0.939  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 6326     | 0.778  | ug/l   | 88       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 6919     | 0.866  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 7058     | 0.893  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 7028     | 0.861  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 7730     | 0.833  | ug/l   | 93       |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 6973     | 0.813  | ug/l   | 86       |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 4989     | 1.060  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene        | 12.08 | 146  | 5253m    | 1.105  | ug/l   |          |
| 89) n-Butylbenzene             | 12.37 | 91   | 6710     | 0.855  | ug/l   | 97       |
| 90) Hexachloroethane           | 12.58 | 117  | 1700     | 1.011  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 4704     | 1.065  | ug/l   | 93       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 839      | 1.102  | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene     | 13.63 | 180  | 2709     | 0.889  | ug/l   | 95       |
| 94) Hexachlorobutadiene        | 13.77 | 225  | 1357     | 1.060  | ug/l   | 82       |
| 95) Naphthalene                | 13.82 | 128  | 6063     | 0.660  | ug/l # | 93       |
| 96) 1,2,3-Trichlorobenzene     | 14.01 | 180  | 2687     | 0.921  | ug/l   | 98       |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

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

