

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062521\  
 Data File : VX022915.D  
 Acq On : 25 Jun 2021 12:05  
 Operator : JC/MD  
 Sample : VX0625WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0625WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 6/28/2021 12:01:13 PM

Quant Time: Jun 26 03:52:14 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 23 19:12:26 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.562          | 168  | 66010      | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769          | 114  | 129266     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 119242     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 51981      | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964          | 65   | 55779      | 46.562  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 93.120% |        |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 39566      | 48.200  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 96.400% |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 157419     | 48.931  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 97.860% |        |          |
| 62) 4-Bromofluorobenzene     | 11.085         | 95   | 58191      | 48.466  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 96.940% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.172          | 85   | 17869      | 19.186  | ug/l   | 99       |
| 3) Chloromethane             | 1.294          | 50   | 17191      | 16.810  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 16697      | 17.693  | ug/l   | 99       |
| 5) Bromomethane              | 1.605          | 94   | 9496       | 18.266  | ug/l   | 98       |
| 6) Chloroethane              | 1.685          | 64   | 10405      | 17.841  | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 1.892          | 101  | 25111      | 18.317  | ug/l   | 100      |
| 8) Diethyl Ether             | 2.142          | 74   | 9214       | 17.413  | ug/l   | 83       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 17002      | 19.808  | ug/l   | 88       |
| 10) Methyl Iodide            | 2.453          | 142  | 12869      | 15.381  | ug/l   | 93       |
| 11) Tert butyl alcohol       | 2.971          | 59   | 19719      | 78.981  | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 14984      | 17.497  | ug/l   | 89       |
| 13) Acrolein                 | 2.239          | 56   | 13835      | 89.096  | ug/l   | 99       |
| 14) Allyl chloride           | 2.666          | 41   | 27515      | 16.912  | ug/l   | 90       |
| 15) Acrylonitrile            | 3.075          | 53   | 52989      | 92.843  | ug/l   | 100      |
| 16) Acetone                  | 2.386          | 43   | 46924      | 88.356  | ug/l   | 93       |
| 17) Carbon Disulfide         | 2.514          | 76   | 32072      | 16.294  | ug/l   | 98       |
| 18) Methyl Acetate           | 2.709          | 43   | 24127      | 18.460  | ug/l # | 88       |
| 19) Methyl tert-butyl Ether  | 3.123          | 73   | 55542      | 18.086  | ug/l # | 89       |
| 20) Methylene Chloride       | 2.794          | 84   | 18432      | 17.741  | ug/l # | 84       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 16671      | 17.548  | ug/l   | 85       |
| 22) Diisopropyl ether        | 3.769          | 45   | 62324      | 18.416  | ug/l   | 97       |
| 23) Vinyl Acetate            | 3.733          | 43   | 259305     | 91.338  | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 3.617          | 63   | 32930      | 18.213  | ug/l   | 99       |
| 25) 2-Butanone               | 4.568          | 43   | 74730      | 90.487  | ug/l   | 90       |
| 26) 2,2-Dichloropropane      | 4.483          | 77   | 24256      | 17.679  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 4.495          | 96   | 19584      | 18.574  | ug/l   | 96       |
| 28) Bromochloromethane       | 4.903          | 49   | 15534      | 18.237  | ug/l # | 77       |
| 29) Tetrahydrofuran          | 5.019          | 42   | 48647      | 91.577  | ug/l # | 87       |
| 30) Chloroform               | 5.099          | 83   | 33284      | 18.302  | ug/l   | 97       |
| 31) Cyclohexane              | 5.477          | 56   | 29962      | 17.716  | ug/l # | 92       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 25804      | 17.660  | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 24206      | 17.630  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.727          | 43   | 29660      | 18.649  | ug/l # | 91       |
| 38) Carbon Tetrachloride     | 5.690          | 117  | 20918      | 18.164  | ug/l   | 93       |
| 39) Methylcyclohexane        | 7.385          | 83   | 29676      | 18.529  | ug/l   | 95       |
| 40) Benzene                  | 6.043          | 78   | 73297      | 18.513  | ug/l   | 100      |

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 Operator : JC/MD  
 Sample : VX0625WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0625WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 6/28/2021 12:01:13 PM

Quant Time: Jun 26 03:52:14 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 23 19:12:26 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 15223    | 17.374  | ug/l   | 91       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 27860    | 19.126  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 46586    | 18.219  | ug/l # | 92       |
| 44) Trichloroethene           | 7.129  | 130  | 17431    | 18.565  | ug/l   | 89       |
| 45) 1,2-Dichloropropane       | 7.440  | 63   | 19029    | 18.634  | ug/l   | 99       |
| 46) Dibromomethane            | 7.586  | 93   | 12352    | 18.232  | ug/l # | 85       |
| 47) Bromodichloromethane      | 7.824  | 83   | 21103    | 17.364  | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.696  | 41   | 21294    | 17.994  | ug/l   | 87       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 8670     | 340.336 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 149407   | 93.883  | ug/l   | 89       |
| 52) Toluene                   | 8.720  | 92   | 44270    | 18.497  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 22807    | 16.639  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 26773    | 17.204  | ug/l # | 91       |
| 55) 1,1,2-Trichloroethane     | 9.159  | 97   | 18211    | 18.965  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 28138    | 17.631  | ug/l # | 83       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 31910    | 18.281  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 75745    | 89.389  | ug/l   | 95       |
| 59) 2-Hexanone                | 9.433  | 43   | 113297   | 93.842  | ug/l   | 86       |
| 60) Dibromochloromethane      | 9.525  | 129  | 13071    | 16.533  | ug/l   | 94       |
| 61) 1,2-Dibromoethane         | 9.616  | 107  | 17721    | 18.171  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 15836    | 18.898  | ug/l # | 87       |
| 65) Chlorobenzene             | 10.085 | 112  | 45997    | 18.317  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 14554    | 17.934  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 84785    | 18.335  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.305 | 106  | 64028    | 37.286  | ug/l   | 96       |
| 69) o-Xylene                  | 10.646 | 106  | 30606    | 18.313  | ug/l   | 95       |
| 70) Styrene                   | 10.659 | 104  | 51420    | 18.536  | ug/l   | 97       |
| 71) Bromoform                 | 10.805 | 173  | 7174     | 15.796  | ug/l # | 96       |
| 73) Isopropylbenzene          | 10.963 | 105  | 81676    | 18.570  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.848 | 43   | 38411    | 16.891  | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 27743    | 18.365  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 24996m   | 18.205  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 16632    | 18.185  | ug/l   | 81       |
| 78) n-propylbenzene           | 11.305 | 91   | 100328   | 18.852  | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 58457    | 18.193  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 68431    | 18.948  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75   | 6223     | 17.160  | ug/l # | 73       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 68386    | 18.416  | ug/l   | 95       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 61748    | 18.104  | ug/l   | 90       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 69563    | 19.137  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 87805    | 19.089  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 70444    | 19.273  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 33277    | 18.858  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 33439    | 18.123  | ug/l   | 96       |
| 89) n-Butylbenzene            | 12.335 | 91   | 66631    | 19.173  | ug/l   | 95       |
| 90) Hexachloroethane          | 12.542 | 117  | 9278     | 16.416  | ug/l   | 74       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 32690    | 18.981  | ug/l   | 94       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 4759     | 16.251  | ug/l   | 76       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 18801    | 19.683  | ug/l   | 94       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 7533     | 20.127  | ug/l   | 94       |
| 95) Naphthalene               | 13.780 | 128  | 69912    | 17.787  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 18754    | 19.493  | ug/l   | 95       |

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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0625WBS01

Manual Integrations  
APPROVED

MMDadoda  
6/28/2021 12:01:13 PM

Quant Time: Jun 26 03:52:14 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 23 19:12:26 2021  
Response via : Initial Calibration

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

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

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