

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032221\  
 Data File : VX021345.D  
 Acq On : 22 Mar 2021 09:57  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 3/23/2021 10:48:16 AM

Quant Time: Mar 23 01:56:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031621W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 16 14:00:21 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.617          | 168  | 82030      | 50.00   | ug/l   | -0.02    |
| 34) 1,4-Difluorobenzene      | 6.823          | 114  | 134593     | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.094         | 117  | 127104     | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.059         | 152  | 62330      | 50.00   | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 6.023          | 65   | 66323      | 49.29   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 98.58%  |        |          |
| 35) Dibromofluoromethane     | 5.458          | 113  | 47599      | 51.97   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 103.94% |        |          |
| 50) Toluene-d8               | 8.694          | 98   | 173217     | 52.13   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 104.26% |        |          |
| 62) 4-Bromofluorobenzene     | 11.118         | 95   | 69576      | 53.91   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 107.82% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.187          | 85   | 50120      | 51.14   | ug/l   | 98       |
| 3) Chloromethane             | 1.311          | 50   | 62811      | 44.28   | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.393          | 62   | 49578      | 49.67   | ug/l   | 98       |
| 5) Bromomethane              | 1.623          | 94   | 21412      | 49.12   | ug/l   | 95       |
| 6) Chloroethane              | 1.699          | 64   | 30885      | 50.64   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.911          | 101  | 79460      | 52.81   | ug/l   | 95       |
| 8) Diethyl Ether             | 2.164          | 74   | 26602      | 50.25   | ug/l   | 78       |
| 9) 1,1,2-Trichlorotrifluo... | 2.358          | 101  | 44654      | 52.09   | ug/l   | 95       |
| 10) Methyl Iodide            | 2.487          | 142  | 33675      | 45.00   | ug/l # | 88       |
| 11) Tert butyl alcohol       | 3.017          | 59   | 56474      | 249.85  | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 2.352          | 96   | 41268      | 49.35   | ug/l   | 85       |
| 13) Acrolein                 | 2.270          | 56   | 41321      | 305.20  | ug/l   | 97       |
| 14) Allyl chloride           | 2.705          | 41   | 87285      | 50.64   | ug/l # | 89       |
| 15) Acrylonitrile            | 3.111          | 53   | 131843     | 250.87  | ug/l   | 97       |
| 16) Acetone                  | 2.423          | 43   | 130105     | 262.81  | ug/l # | 88       |
| 17) Carbon Disulfide         | 2.546          | 76   | 117178     | 48.16   | ug/l   | 99       |
| 18) Methyl Acetate           | 2.746          | 43   | 65529      | 48.30   | ug/l # | 89       |
| 19) Methyl tert-butyl Ether  | 3.164          | 73   | 160808     | 51.24   | ug/l   | 96       |
| 20) Methylene Chloride       | 2.835          | 84   | 50158      | 49.26   | ug/l   | 87       |
| 21) trans-1,2-Dichloroethene | 3.140          | 96   | 47053      | 50.40   | ug/l   | 93       |
| 22) Diisopropyl ether        | 3.823          | 45   | 169323     | 51.13   | ug/l   | 94       |
| 23) Vinyl Acetate            | 3.782          | 43   | 747673     | 258.82  | ug/l # | 93       |
| 24) 1,1-Dichloroethane       | 3.664          | 63   | 91115      | 50.96   | ug/l   | 97       |
| 25) 2-Butanone               | 4.629          | 43   | 193293     | 253.91  | ug/l   | 89       |
| 26) 2,2-Dichloropropane      | 4.541          | 77   | 84960      | 54.46   | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 4.558          | 96   | 54813      | 51.10   | ug/l   | 90       |
| 28) Bromochloromethane       | 4.976          | 49   | 41877      | 49.71   | ug/l   | 85       |
| 29) Tetrahydrofuran          | 5.082          | 42   | 121924     | 242.50  | ug/l   | 87       |
| 30) Chloroform               | 5.170          | 83   | 96223      | 51.69   | ug/l   | 98       |
| 31) Cyclohexane              | 5.541          | 56   | 80479      | 49.48   | ug/l   | 90       |
| 32) 1,1,1-Trichloroethane    | 5.458          | 97   | 86434      | 52.40   | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 5.764          | 75   | 69880      | 51.53   | ug/l   | 96       |
| 37) Ethyl Acetate            | 4.788          | 43   | 74792      | 47.59   | ug/l # | 93       |
| 38) Carbon Tetrachloride     | 5.747          | 117  | 76914      | 54.61   | ug/l   | 95       |
| 39) Methylcyclohexane        | 7.435          | 83   | 80849      | 53.70   | ug/l   | 93       |
| 40) Benzene                  | 6.106          | 78   | 198660     | 53.16   | ug/l   | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 3/23/2021 10:48:16 AM

Quant Time: Mar 23 01:56:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031621W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 16 14:00:21 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 5.000  | 41   | 43056    | 47.74   | ug/l   | 89       |
| 42) 1,2-Dichloroethane        | 6.159  | 62   | 85171    | 52.83   | ug/l   | 93       |
| 43) Isopropyl Acetate         | 6.406  | 43   | 129452   | 50.23   | ug/l # | 91       |
| 44) Trichloroethene           | 7.182  | 130  | 52454    | 52.84   | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 7.482  | 63   | 53208    | 52.99   | ug/l   | 97       |
| 46) Dibromomethane            | 7.635  | 93   | 38073    | 51.81   | ug/l   | 93       |
| 47) Bromodichloromethane      | 7.870  | 83   | 80574    | 54.68   | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.741  | 41   | 68372    | 50.02   | ug/l # | 81       |
| 49) 1,4-Dioxane               | 7.712  | 88   | 23985    | 1030.59 | ug/l # | 89       |
| 51) 4-Methyl-2-Pentanone      | 8.618  | 43   | 392953   | 262.08  | ug/l   | 88       |
| 52) Toluene                   | 8.765  | 92   | 126224   | 54.62   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 9.018  | 75   | 85185    | 54.49   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.412  | 75   | 89437    | 53.58   | ug/l # | 85       |
| 55) 1,1,2-Trichloroethane     | 9.194  | 97   | 52794    | 55.84   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.159  | 69   | 80759    | 53.12   | ug/l # | 75       |
| 57) 1,3-Dichloropropane       | 9.347  | 76   | 88999    | 54.09   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.288  | 63   | 207117   | 249.27  | ug/l   | 96       |
| 59) 2-Hexanone                | 9.471  | 43   | 298984   | 266.42  | ug/l   | 86       |
| 60) Dibromochloromethane      | 9.559  | 129  | 61691    | 57.29   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.653  | 107  | 55815    | 53.86   | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.318  | 164  | 47955    | 50.52   | ug/l   | 95       |
| 65) Chlorobenzene             | 10.118 | 112  | 138018   | 52.82   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.200 | 131  | 52677    | 54.34   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.236 | 91   | 251348   | 52.01   | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.341 | 106  | 183874   | 106.50  | ug/l   | 91       |
| 69) o-Xylene                  | 10.683 | 106  | 89239    | 53.19   | ug/l   | 96       |
| 70) Styrene                   | 10.694 | 104  | 153005   | 54.35   | ug/l   | 96       |
| 71) Bromoform                 | 10.841 | 173  | 43547    | 55.56   | ug/l # | 100      |
| 73) Isopropylbenzene          | 11.000 | 105  | 247758   | 53.51   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.883 | 43   | 115477   | 49.17   | ug/l # | 88       |
| 75) 1,1,2,2-Tetrachloroethane | 11.253 | 83   | 79436    | 51.68   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.277 | 75   | 69370m   | 47.98   | ug/l   |          |
| 77) Bromobenzene              | 11.236 | 156  | 60435    | 55.01   | ug/l   | 94       |
| 78) n-propylbenzene           | 11.342 | 91   | 289326   | 53.43   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.406 | 91   | 171774   | 52.24   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.489 | 105  | 213895   | 54.60   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.059 | 75   | 27330    | 51.32   | ug/l # | 81       |
| 82) 4-Chlorotoluene           | 11.494 | 91   | 206355   | 53.29   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.753 | 119  | 204939   | 54.95   | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 11.789 | 105  | 216051   | 54.23   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.930 | 105  | 240938   | 54.81   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.047 | 119  | 227415   | 56.46   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 12.006 | 146  | 106069   | 52.94   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.077 | 146  | 107261   | 52.35   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.371 | 91   | 208120   | 56.69   | ug/l   | 96       |
| 90) Hexachloroethane          | 12.577 | 117  | 41078    | 66.96   | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene       | 12.371 | 146  | 100463   | 51.41   | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.983 | 75   | 19021    | 48.25   | ug/l   | 80       |
| 93) 1,2,4-Trichlorobenzene    | 13.630 | 180  | 68993    | 53.71   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.765 | 225  | 30705    | 56.97   | ug/l   | 97       |
| 95) Naphthalene               | 13.818 | 128  | 219912   | 49.74   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 14.001 | 180  | 71049    | 55.53   | ug/l   | 97       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

MMDadoda  
3/23/2021 10:48:16 AM

Quant Time: Mar 23 01:56:24 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031621W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 16 14:00:21 2021  
Response via : Initial Calibration

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

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

