

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080921\  
 Data File : VX023608.D  
 Acq On : 09 Aug 2021 12:53  
 Operator : JC/MD  
 Sample : VX0809MBS01  
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0809MBS01

Manual Integrations  
 APPROVED

MMDadoda  
 8/11/2021 5:17:08 PM

MMDadoda  
 8/11/2021 5:17:08 PM

Quant Time: Aug 09 14:09:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 06:05:38 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.562          | 168  | 218217     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769          | 114  | 347809     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 325055     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 152372     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964          | 65   | 135668     | 49.840   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 99.680%  |        |          |
| 35) Dibromofluoromethane     | 5.397          | 113  | 103509     | 47.598   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 95.200%  |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 391928     | 49.054   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 98.100%  |        |          |
| 62) 4-Bromofluorobenzene     | 11.085         | 95   | 144782     | 53.291   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 106.580% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.172          | 85   | 37844      | 18.850   | ug/l   | 100      |
| 3) Chloromethane             | 1.294          | 50   | 44319      | 18.951   | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.374          | 62   | 44166      | 18.656   | ug/l   | 100      |
| 5) Bromomethane              | 1.599          | 94   | 30035      | 21.370   | ug/l   | 93       |
| 6) Chloroethane              | 1.685          | 64   | 29080      | 20.015   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 72698      | 19.061   | ug/l   | 97       |
| 8) Diethyl Ether             | 2.136          | 74   | 27918      | 19.832   | ug/l   | 87       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 43687      | 20.218   | ug/l   | 98       |
| 10) Methyl Iodide            | 2.453          | 142  | 55345      | 20.443   | ug/l   | 97       |
| 11) Tert butyl alcohol       | 2.977          | 59   | 60307      | 96.983   | ug/l   | 96       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 39970      | 18.641   | ug/l   | 97       |
| 13) Acrolein                 | 2.239          | 56   | 27976      | 89.380   | ug/l   | 98       |
| 14) Allyl chloride           | 2.666          | 41   | 73687      | 18.903   | ug/l   | 92       |
| 15) Acrylonitrile            | 3.075          | 53   | 141887     | 101.046  | ug/l   | 98       |
| 16) Acetone                  | 2.386          | 43   | 128513     | 96.244   | ug/l   | 90       |
| 17) Carbon Disulfide         | 2.514          | 76   | 83417      | 15.777   | ug/l   | 99       |
| 18) Methyl Acetate           | 2.709          | 43   | 66308      | 20.889   | ug/l   | 91       |
| 19) Methyl tert-butyl Ether  | 3.123          | 73   | 153938     | 20.648   | ug/l   | 100      |
| 20) Methylene Chloride       | 2.794          | 84   | 49654      | 19.117   | ug/l   | 90       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 43205      | 18.969   | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.770          | 45   | 158064     | 20.541   | ug/l   | 94       |
| 23) Vinyl Acetate            | 3.733          | 43   | 698037     | 102.759  | ug/l   | 94       |
| 24) 1,1-Dichloroethane       | 3.617          | 63   | 85260      | 20.158   | ug/l   | 98       |
| 25) 2-Butanone               | 4.568          | 43   | 203850     | 98.336   | ug/l   | 90       |
| 26) 2,2-Dichloropropane      | 4.483          | 77   | 68662      | 19.849   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.501          | 96   | 52250      | 19.753   | ug/l   | 98       |
| 28) Bromochloromethane       | 4.904          | 49   | 39398      | 19.960   | ug/l   | 93       |
| 29) Tetrahydrofuran          | 5.013          | 42   | 131721     | 96.939   | ug/l   | 90       |
| 30) Chloroform               | 5.099          | 83   | 88388      | 20.418   | ug/l   | 96       |
| 31) Cyclohexane              | 5.477          | 56   | 72603      | 18.005   | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 74982      | 20.267   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 62111      | 19.741   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.721          | 43   | 78497      | 19.788   | ug/l   | 95       |
| 38) Carbon Tetrachloride     | 5.684          | 117  | 63835      | 19.950   | ug/l   | 96       |
| 39) Methylcyclohexane        | 7.385          | 83   | 76859      | 19.343   | ug/l   | 96       |
| 40) Benzene                  | 6.044          | 78   | 186417     | 19.983   | ug/l   | 97       |

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 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 06:05:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 41735    | 19.925  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 6.098  | 62   | 75619    | 21.923  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 126002   | 20.498  | ug/l   | 93       |
| 44) Trichloroethene           | 7.129  | 130  | 51137    | 19.954  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 50665    | 20.524  | ug/l   | 97       |
| 46) Dibromomethane            | 7.586  | 93   | 35853    | 21.412  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.830  | 83   | 63482    | 21.044  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.696  | 41   | 60678    | 21.314  | ug/l   | 86       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 25309    | 417.491 | ug/l # | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 418320   | 111.260 | ug/l   | 90       |
| 52) Toluene                   | 8.720  | 92   | 120601   | 20.867  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 72916    | 20.182  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 77702    | 20.662  | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 53079    | 22.680  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 82294    | 21.937  | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 86476    | 21.746  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 193444   | 97.341  | ug/l   | 96       |
| 59) 2-Hexanone                | 9.433  | 43   | 322847   | 113.075 | ug/l   | 87       |
| 60) Dibromochloromethane      | 9.525  | 129  | 50354    | 20.626  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 55264    | 22.133  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.275  | 164  | 50018    | 19.334  | ug/l   | 95       |
| 65) Chlorobenzene             | 10.079 | 112  | 136577   | 20.529  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 49198    | 19.844  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 233700   | 20.254  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.305 | 106  | 180098   | 40.584  | ug/l   | 100      |
| 69) o-Xylene                  | 10.646 | 106  | 87968    | 19.994  | ug/l   | 99       |
| 70) Styrene                   | 10.659 | 104  | 147483   | 21.157  | ug/l   | 98       |
| 71) Bromoform                 | 10.805 | 173  | 34095    | 19.338  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.963 | 105  | 234756   | 20.418  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.848 | 43   | 110302   | 21.028  | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 78104    | 20.854  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 75155m   | 22.414  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 58478    | 21.084  | ug/l   | 96       |
| 78) n-propylbenzene           | 11.305 | 91   | 269173   | 20.686  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 161794   | 20.808  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 195330   | 20.861  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75   | 23158    | 18.571  | ug/l # | 84       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 182803   | 20.781  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 190116   | 20.699  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 196160   | 21.061  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.896 | 105  | 242319   | 20.348  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 200089   | 20.806  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 105995   | 20.657  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 102623   | 19.710  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.335 | 91   | 174016   | 19.988  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.542 | 117  | 29669    | 18.470  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.341 | 146  | 100476   | 20.223  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 15281    | 18.224  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 59923    | 19.196  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 27310    | 19.495  | ug/l   | 98       |
| 95) Naphthalene               | 13.780 | 128  | 209537   | 19.524  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 61421    | 19.485  | ug/l   | 98       |

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MSVOA\_X  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

