

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041621\  
 Data File : VN066626.D  
 Acq On : 16 Apr 2021 14:24  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 4/19/2021 2:59:08 PM

Quant Time: Apr 17 05:15:46 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N041521W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 15 19:16:35 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|--------|--------|----------|
| -----                        |                |      |            |        |        |          |
| Internal Standards           |                |      |            |        |        |          |
| 1) Pentafluorobenzene        | 7.583          | 168  | 235874     | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.511          | 114  | 366346     | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.351         | 117  | 316882     | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.287         | 152  | 152072     | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 7.945          | 65   | 156438     | 43.96  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = | 87.92% |        |          |
| 35) Dibromofluoromethane     | 7.505          | 113  | 121907     | 47.98  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = | 95.96% |        |          |
| 50) Toluene-d8               | 10.026         | 98   | 469424     | 47.14  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = | 94.28% |        |          |
| 62) 4-Bromofluorobenzene     | 12.346         | 95   | 159442     | 45.54  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = | 91.08% |        |          |
| Target Compounds             |                |      |            |        |        |          |
|                              |                |      |            |        |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.825          | 85   | 125471     | 43.79  | ug/l   | 99       |
| 3) Chloromethane             | 2.029          | 50   | 178265     | 42.67  | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.160          | 62   | 164214     | 45.13  | ug/l   | 99       |
| 5) Bromomethane              | 2.474          | 94   | 29001      | 12.80  | ug/l   | 99       |
| 6) Chloroethane              | 2.576          | 64   | 22515      | 10.32  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 2.871          | 101  | 195647     | 46.43  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.337          | 74   | 84699      | 49.17  | ug/l   | 82       |
| 9) 1,1,2-Trichlorotrifluo... | 3.635          | 101  | 119095     | 47.84  | ug/l   | 98       |
| 10) Methyl Iodide            | 3.836          | 142  | 154552     | 44.71  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 4.820          | 59   | 115794     | 202.76 | ug/l # | 87       |
| 12) 1,1-Dichloroethene       | 3.619          | 96   | 117448     | 48.19  | ug/l   | 90       |
| 13) Acrolein                 | 3.533          | 56   | 58822      | 193.27 | ug/l   | 98       |
| 14) Allyl chloride           | 4.206          | 41   | 246538     | 234.68 | ug/l   | 95       |
| 15) Acrylonitrile            | 4.893          | 53   | 366268     | 232.99 | ug/l   | 99       |
| 16) Acetone                  | 3.766          | 43   | 300733     | 235.96 | ug/l   | 95       |
| 17) Carbon Disulfide         | 3.927          | 76   | 359718     | 43.78  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.244          | 43   | 190513     | 49.71  | ug/l   | 95       |
| 19) Methyl tert-butyl Ether  | 4.949          | 73   | 429760     | 49.79  | ug/l   | 97       |
| 20) Methylene Chloride       | 4.440          | 84   | 147748     | 43.95  | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene | 4.914          | 96   | 132081     | 48.13  | ug/l   | 89       |
| 22) Diisopropyl ether        | 5.858          | 45   | 527729     | 50.63  | ug/l   | 95       |
| 23) Vinyl Acetate            | 5.791          | 43   | 2173817    | 249.72 | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 5.735          | 63   | 271525     | 47.84  | ug/l   | 98       |
| 25) 2-Butanone               | 6.751          | 43   | 443093     | 211.25 | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 6.717          | 77   | 214784     | 47.73  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.725          | 96   | 156554     | 49.24  | ug/l   | 92       |
| 28) Bromochloromethane       | 7.100          | 49   | 121989     | 41.45  | ug/l # | 81       |
| 29) Tetrahydrofuran          | 7.130          | 42   | 324837     | 230.13 | ug/l   | 92       |
| 30) Chloroform               | 7.280          | 83   | 256265     | 48.00  | ug/l   | 99       |
| 31) Cyclohexane              | 7.561          | 56   | 236659     | 46.25  | ug/l   | 91       |
| 32) 1,1,1-Trichloroethane    | 7.478          | 97   | 211908     | 48.05  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 7.704          | 75   | 188961     | 51.18  | ug/l   | 98       |
| 37) Ethyl Acetate            | 6.840          | 43   | 233016m    | 55.65  | ug/l   |          |
| 38) Carbon Tetrachloride     | 7.685          | 117  | 175894     | 50.85  | ug/l   | 100      |
| 39) Methylcyclohexane        | 9.007          | 83   | 221718     | 52.73  | ug/l   | 91       |
| 40) Benzene                  | 7.958          | 78   | 610020     | 51.58  | ug/l   | 100      |

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 VSTDCCC050

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Quant Time: Apr 17 05:15:46 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N041521W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 15 19:16:35 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.097  | 41   | 87456m   | 45.64  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.044  | 62   | 201981   | 49.74  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.095  | 43   | 338329   | 48.38  | ug/l # | 86       |
| 44) Trichloroethene           | 8.763  | 130  | 141299   | 51.72  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.047  | 63   | 167188   | 50.78  | ug/l   | 99       |
| 46) Dibromomethane            | 9.138  | 93   | 96998    | 49.11  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.337  | 83   | 201113   | 49.61  | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.138  | 41   | 154685   | 49.17  | ug/l   | 88       |
| 49) 1,4-Dioxane               | 9.149  | 88   | 46868    | 877.87 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone      | 9.930  | 43   | 935127   | 227.24 | ug/l   | 95       |
| 52) Toluene                   | 10.091 | 92   | 359160   | 51.54  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.324 | 75   | 218141   | 49.83  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.774  | 75   | 246397   | 51.08  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 10.504 | 97   | 140129   | 48.68  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.375 | 69   | 197295   | 46.57  | ug/l   | 92       |
| 57) 1,3-Dichloropropane       | 10.646 | 76   | 237233   | 49.16  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.632  | 63   | 214421   | 311.17 | ug/l   | 94       |
| 59) 2-Hexanone                | 10.699 | 43   | 606028   | 207.52 | ug/l   | 96       |
| 60) Dibromochloromethane      | 10.844 | 129  | 147001   | 48.95  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 10.946 | 107  | 135251   | 47.82  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.568 | 164  | 118868   | 53.90  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.375 | 112  | 351492   | 50.99  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.450 | 131  | 135971   | 54.36  | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.453 | 91   | 645932   | 53.84  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.563 | 106  | 485539   | 110.88 | ug/l   | 99       |
| 69) o-Xylene                  | 11.893 | 106  | 232702   | 54.46  | ug/l   | 98       |
| 70) Styrene                   | 11.912 | 104  | 382498   | 57.45  | ug/l   | 98       |
| 71) Bromoform                 | 12.075 | 173  | 104138   | 55.17  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.193 | 105  | 619087   | 53.45  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.024 | 43   | 151940   | 44.93  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.451 | 83   | 209610   | 48.63  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.499 | 75   | 196785m  | 55.33  | ug/l   |          |
| 77) Bromobenzene              | 12.469 | 156  | 153750   | 53.81  | ug/l   | 93       |
| 78) n-propylbenzene           | 12.536 | 91   | 712571   | 53.22  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.620 | 91   | 432751   | 52.85  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.679 | 105  | 525368   | 53.76  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.247 | 75   | 57372    | 50.57  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.719 | 91   | 436678   | 54.20  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 12.936 | 119  | 444347   | 54.04  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 12.984 | 105  | 511945   | 55.49  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.116 | 105  | 593500   | 53.41  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.234 | 119  | 514360   | 56.41  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.228 | 146  | 268846   | 53.22  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.309 | 146  | 275677   | 54.77  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.561 | 91   | 416894   | 54.62  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.816 | 117  | 102772   | 50.96  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 13.599 | 146  | 271595   | 54.23  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.218 | 75   | 35573    | 48.61  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 14.851 | 180  | 151937   | 53.88  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 14.948 | 225  | 80070    | 50.24  | ug/l   | 99       |
| 95) Naphthalene               | 15.071 | 128  | 377121   | 48.58  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.248 | 180  | 147248   | 50.81  | ug/l   | 99       |

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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

