

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032921\  
 Data File : VN066366.D  
 Acq On : 29 Mar 2021 11:02  
 Operator : JC/MD  
 Sample : VN0329WBS01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0329WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 3/30/2021 7:50:38 PM

Quant Time: Mar 30 01:52:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N032521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 26 16:28:41 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.579          | 168  | 470493     | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.510          | 114  | 731129     | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.347         | 117  | 646841     | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.286         | 152  | 309240     | 50.00   | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 7.941          | 65   | 307920     | 49.23   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 98.46%  |        |          |
| 35) Dibromofluoromethane     | 7.501          | 113  | 243754     | 50.29   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 100.58% |        |          |
| 50) Toluene-d8               | 10.025         | 98   | 904532     | 49.20   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 98.40%  |        |          |
| 62) 4-Bromofluorobenzene     | 12.342         | 95   | 307846     | 48.21   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 96.42%  |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.815          | 85   | 118943     | 20.07   | ug/l   | 99       |
| 3) Chloromethane             | 2.014          | 50   | 132952     | 20.62   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.145          | 62   | 141913     | 20.92   | ug/l   | 98       |
| 5) Bromomethane              | 2.513          | 94   | 97181      | 21.36   | ug/l   | 97       |
| 6) Chloroethane              | 2.650          | 64   | 89995      | 21.29   | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 2.961          | 101  | 200246     | 21.47   | ug/l   | 100      |
| 8) Diethyl Ether             | 3.339          | 74   | 79849      | 21.02   | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 3.674          | 101  | 113961     | 21.64   | ug/l   | 98       |
| 10) Methyl Iodide            | 3.865          | 142  | 157017     | 21.02   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.709          | 59   | 112025     | 117.44  | ug/l # | 87       |
| 12) 1,1-Dichloroethene       | 3.655          | 96   | 113405     | 21.03   | ug/l   | 99       |
| 13) Acrolein                 | 3.527          | 56   | 50482      | 78.15   | ug/l   | 98       |
| 14) Allyl chloride           | 4.224          | 41   | 230968     | 21.66   | ug/l   | 99       |
| 15) Acrylonitrile            | 4.873          | 53   | 279519     | 105.08  | ug/l   | 98       |
| 16) Acetone                  | 3.733          | 43   | 366620     | 108.49  | ug/l   | 99       |
| 17) Carbon Disulfide         | 3.961          | 76   | 334857     | 21.03   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.235          | 43   | 195088     | 22.10   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 4.935          | 73   | 323792     | 20.25   | ug/l   | 99       |
| 20) Methylene Chloride       | 4.444          | 84   | 133158     | 21.72   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 4.921          | 96   | 98893      | 20.23   | ug/l   | 99       |
| 22) Diisopropyl ether        | 5.855          | 45   | 329072     | 19.78   | ug/l   | 97       |
| 23) Vinyl Acetate            | 5.790          | 43   | 1445865    | 102.08  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 5.739          | 63   | 186960     | 20.35   | ug/l   | 100      |
| 25) 2-Butanone               | 6.742          | 43   | 380869     | 103.11  | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 6.718          | 77   | 164036     | 20.03   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 6.721          | 96   | 114076     | 20.00   | ug/l   | 99       |
| 28) Bromochloromethane       | 7.099          | 49   | 96864      | 20.92   | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.123          | 42   | 249906     | 103.69  | ug/l   | 100      |
| 30) Chloroform               | 7.279          | 83   | 185667     | 20.22   | ug/l   | 99       |
| 31) Cyclohexane              | 7.563          | 56   | 173056     | 19.99   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 7.480          | 97   | 162029     | 20.09   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.705          | 75   | 136449     | 19.87   | ug/l   | 100      |
| 37) Ethyl Acetate            | 6.839          | 43   | 147772     | 19.55   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 7.686          | 117  | 136486     | 19.77   | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.009          | 83   | 166605     | 19.90   | ug/l   | 97       |
| 40) Benzene                  | 7.957          | 78   | 417669     | 20.13   | ug/l   | 99       |

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 Quant Title : SW846 8260  
 QLast Update : Fri Mar 26 16:28:41 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.075  | 41   | 65368    | 17.43  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.043  | 62   | 147229   | 19.81  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.089  | 43   | 258864   | 20.03  | ug/l   | 100      |
| 44) Trichloroethene           | 8.762  | 130  | 110858   | 20.32  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.046  | 63   | 113170   | 20.48  | ug/l   | 97       |
| 46) Dibromomethane            | 9.137  | 93   | 72072    | 19.89  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.333  | 83   | 151603   | 20.27  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.132  | 41   | 118534   | 19.28  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.135  | 88   | 34032    | 440.40 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 9.920  | 43   | 759611   | 100.59 | ug/l   | 100      |
| 52) Toluene                   | 10.089 | 92   | 252234   | 19.81  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.320 | 75   | 160377   | 19.74  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 9.773  | 75   | 176303   | 20.20  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.500 | 97   | 102320   | 19.98  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.368 | 69   | 152417   | 19.41  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.645 | 76   | 168744   | 19.86  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.628  | 63   | 93636    | 122.84 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.690 | 43   | 533249   | 100.79 | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.840 | 129  | 112480   | 19.78  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 10.942 | 107  | 105960   | 19.85  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.567 | 164  | 108847   | 19.77  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.371 | 112  | 262897   | 20.39  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.449 | 131  | 100996   | 20.34  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.452 | 91   | 473468   | 20.23  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.562 | 106  | 354364   | 39.84  | ug/l   | 99       |
| 69) o-Xylene                  | 11.889 | 106  | 171069   | 19.93  | ug/l   | 100      |
| 70) Styrene                   | 11.905 | 104  | 282290   | 20.29  | ug/l   | 98       |
| 71) Bromoform                 | 12.069 | 173  | 83544    | 20.23  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.192 | 105  | 455281   | 19.79  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.015 | 43   | 149785   | 18.70  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.447 | 83   | 145018   | 19.80  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.495 | 75   | 132160m  | 19.48  | ug/l   |          |
| 77) Bromobenzene              | 12.466 | 156  | 117932   | 20.30  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.533 | 91   | 500844   | 20.03  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.616 | 91   | 299890   | 19.50  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.675 | 105  | 373457   | 19.85  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.243 | 75   | 44846    | 19.88  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.715 | 91   | 304048   | 19.87  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 12.935 | 119  | 316791   | 19.56  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 12.983 | 105  | 355992   | 19.47  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.115 | 105  | 418278   | 19.93  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.233 | 119  | 367949   | 19.58  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.225 | 146  | 193392   | 19.84  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.305 | 146  | 194919   | 19.26  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.557 | 91   | 302873   | 19.51  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.815 | 117  | 66211    | 19.54  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.597 | 146  | 191326   | 19.97  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.217 | 75   | 28094    | 20.00  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 14.853 | 180  | 119279   | 20.07  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 14.949 | 225  | 63472    | 19.58  | ug/l   | 99       |
| 95) Naphthalene               | 15.070 | 128  | 343605   | 20.45  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.249 | 180  | 114723   | 19.21  | ug/l   | 98       |

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ALS Vial : 4 Sample Multiplier: 1

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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

