

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082321\  
 Data File : VN068276.D  
 Acq On : 23 Aug 2021 18:12  
 Operator : JC/MD  
 Sample : VN0823WBSD01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0823WBSD01

Manual Integrations  
 APPROVED

SAM  
 8/24/2021 11:23:04 AM

Quant Time: Aug 24 03:55:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 13:09:49 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.088          | 168  | 581962              | 50.000  | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.968          | 114  | 911214              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.747         | 117  | 851952              | 50.000  | ug/l   | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4   | 13.678         | 152  | 420746              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.440          | 65   | 314547              | 50.621  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 101.240% |         |        |          |
| 35) Dibromofluoromethane     | 8.024          | 113  | 290366              | 50.756  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 101.520% |         |        |          |
| 50) Toluene-d8               | 10.443         | 98   | 1092091             | 50.100  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 100.200% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.733         | 95   | 366053              | 50.444  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 100.880% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.073          | 85   | 91916               | 19.933  | ug/l   | 99       |
| 3) Chloromethane             | 2.303          | 50   | 101890              | 19.557  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.443          | 62   | 160315              | 19.638  | ug/l   | 97       |
| 5) Bromomethane              | 2.856          | 94   | 150768              | 21.652  | ug/l   | 97       |
| 6) Chloroethane              | 3.017          | 64   | 115539              | 21.062  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.371          | 101  | 313848              | 19.556  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.821          | 74   | 107345              | 28.837  | ug/l   | 80       |
| 9) 1,1,2-Trichlorotrifluo... | 4.205          | 101  | 100183              | 20.417  | ug/l # | 84       |
| 10) Methyl Iodide            | 4.414          | 142  | 138036              | 19.784  | ug/l   | 89       |
| 11) Tert butyl alcohol       | 5.390          | 59   | 83998               | 108.399 | ug/l # | 82       |
| 12) 1,1-Dichloroethene       | 4.173          | 96   | 92434               | 19.592  | ug/l # | 75       |
| 13) Acrolein                 | 4.041          | 56   | 31110               | 53.432  | ug/l   | 99       |
| 14) Allyl chloride           | 4.838          | 41   | 118072              | 19.579  | ug/l # | 92       |
| 15) Acrylonitrile            | 5.557          | 53   | 231687              | 106.123 | ug/l   | 99       |
| 16) Acetone                  | 4.291          | 43   | 184837              | 101.882 | ug/l # | 86       |
| 17) Carbon Disulfide         | 4.521          | 76   | 224955              | 18.445  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.859          | 43   | 115767              | 23.277  | ug/l # | 86       |
| 19) Methyl tert-butyl Ether  | 5.621          | 73   | 313474              | 20.609  | ug/l   | 96       |
| 20) Methylene Chloride       | 5.093          | 84   | 126663              | 24.136  | ug/l # | 80       |
| 21) trans-1,2-Dichloroethene | 5.597          | 96   | 103814              | 19.655  | ug/l # | 78       |
| 22) Diisopropyl ether        | 6.501          | 45   | 275270              | 20.895  | ug/l # | 93       |
| 23) Vinyl Acetate            | 6.436          | 43   | 1063242m            | 103.685 | ug/l   |          |
| 24) 1,1-Dichloroethane       | 6.388          | 63   | 175006              | 19.883  | ug/l   | 95       |
| 25) 2-Butanone               | 7.340          | 43   | 299187              | 105.819 | ug/l # | 87       |
| 26) 2,2-Dichloropropane      | 7.324          | 77   | 154341              | 20.465  | ug/l   | 90       |
| 27) cis-1,2-Dichloroethene   | 7.327          | 96   | 125567              | 19.854  | ug/l   | 76       |
| 28) Bromochloromethane       | 7.657          | 49   | 79233               | 20.471  | ug/l # | 45       |
| 29) Tetrahydrofuran          | 7.691          | 42   | 191353              | 105.826 | ug/l # | 77       |
| 30) Chloroform               | 7.820          | 83   | 210859              | 20.110  | ug/l   | 99       |
| 31) Cyclohexane              | 8.094          | 56   | 155179              | 18.960  | ug/l # | 79       |
| 32) 1,1,1-Trichloroethane    | 8.013          | 97   | 194227              | 20.771  | ug/l   | 94       |
| 36) 1,1-Dichloropropene      | 8.222          | 75   | 146789              | 19.706  | ug/l   | 91       |
| 37) Ethyl Acetate            | 7.418          | 43   | 126426              | 19.923  | ug/l   | 95       |
| 38) Carbon Tetrachloride     | 8.204          | 117  | 172480              | 20.076  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.461          | 83   | 179451              | 21.331  | ug/l # | 86       |
| 40) Benzene                  | 8.461          | 78   | 460550              | 20.257  | ug/l   | 100      |

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 ALS Vial : 19 Sample Multiplier: 1

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Manual Integrations  
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Quant Time: Aug 24 03:55:38 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 13:09:49 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.640  | 41   | 56310    | 19.436  | ug/l # | 80       |
| 42) 1,2-Dichloroethane        | 8.531  | 62   | 155734   | 20.110  | ug/l   | 93       |
| 43) Isopropyl Acetate         | 8.566  | 43   | 209557   | 20.616  | ug/l # | 90       |
| 44) Trichloroethene           | 9.217  | 130  | 133944   | 19.591  | ug/l   | 75       |
| 45) 1,2-Dichloropropane       | 9.491  | 63   | 109641   | 20.503  | ug/l   | 99       |
| 46) Dibromomethane            | 9.579  | 93   | 86280    | 19.779  | ug/l # | 75       |
| 47) Bromodichloromethane      | 9.765  | 83   | 166634   | 20.556  | ug/l # | 94       |
| 48) Methyl methacrylate       | 9.563  | 41   | 88546    | 20.903  | ug/l # | 83       |
| 49) 1,4-Dioxane               | 9.574  | 88   | 42876    | 418.762 | ug/l # | 78       |
| 51) 4-Methyl-2-Pentanone      | 10.333 | 43   | 666806   | 106.790 | ug/l   | 90       |
| 52) Toluene                   | 10.507 | 92   | 312966   | 20.193  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.722 | 75   | 165775   | 20.820  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.191 | 75   | 175061   | 20.293  | ug/l # | 84       |
| 55) 1,1,2-Trichloroethane     | 10.899 | 97   | 126629   | 20.445  | ug/l   | 91       |
| 56) Ethyl methacrylate        | 10.765 | 69   | 165051   | 20.751  | ug/l # | 79       |
| 57) 1,3-Dichloropropane       | 11.047 | 76   | 194024   | 20.339  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.043 | 63   | 126900   | 87.590  | ug/l # | 84       |
| 59) 2-Hexanone                | 11.087 | 43   | 466331   | 107.557 | ug/l   | 86       |
| 60) Dibromochloromethane      | 11.240 | 129  | 146477   | 20.963  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.347 | 107  | 135042   | 21.023  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.979 | 164  | 127416   | 19.341  | ug/l # | 87       |
| 65) Chlorobenzene             | 11.773 | 112  | 354379   | 20.316  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.843 | 131  | 142935   | 21.723  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.848 | 91   | 588084   | 20.439  | ug/l   | 93       |
| 68) m/p-Xylenes               | 11.956 | 106  | 486429   | 42.261  | ug/l   | 79       |
| 69) o-Xylene                  | 12.283 | 106  | 231310   | 20.799  | ug/l   | 81       |
| 70) Styrene                   | 12.296 | 104  | 376985   | 21.178  | ug/l # | 90       |
| 71) Bromoform                 | 12.460 | 173  | 112690   | 21.355  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.581 | 105  | 593632   | 19.838  | ug/l   | 94       |
| 74) N-amyl acetate            | 12.390 | 43   | 159239   | 20.436  | ug/l # | 86       |
| 75) 1,1,2,2-Tetrachloroethane | 12.830 | 83   | 182918   | 20.382  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.884 | 75   | 141982m  | 20.303  | ug/l   |          |
| 77) Bromobenzene              | 12.862 | 156  | 165887   | 20.122  | ug/l   | 55       |
| 78) n-propylbenzene           | 12.924 | 91   | 646882   | 20.153  | ug/l   | 90       |
| 79) 2-Chlorotoluene           | 13.010 | 91   | 393144   | 19.804  | ug/l   | 82       |
| 80) 1,3,5-Trimethylbenzene    | 13.061 | 105  | 497139   | 20.536  | ug/l   | 90       |
| 81) trans-1,4-Dichloro-2-b... | 12.629 | 75   | 43689    | 20.467  | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 13.109 | 91   | 383565   | 19.906  | ug/l   | 84       |
| 83) tert-Butylbenzene         | 13.326 | 119  | 443643   | 20.638  | ug/l   | 84       |
| 84) 1,2,4-Trimethylbenzene    | 13.372 | 105  | 492917   | 20.858  | ug/l   | 90       |
| 85) sec-Butylbenzene          | 13.503 | 105  | 600167   | 21.204  | ug/l   | 91       |
| 86) p-Isopropyltoluene        | 13.619 | 119  | 501202   | 21.452  | ug/l   | 90       |
| 87) 1,3-Dichlorobenzene       | 13.616 | 146  | 290449   | 20.662  | ug/l   | 92       |
| 88) 1,4-Dichlorobenzene       | 13.696 | 146  | 284733   | 19.994  | ug/l   | 92       |
| 89) n-Butylbenzene            | 13.946 | 91   | 356034   | 20.428  | ug/l   | 96       |
| 90) Hexachloroethane          | 14.211 | 117  | 92001    | 21.223  | ug/l   | 71       |
| 91) 1,2-Dichlorobenzene       | 13.989 | 146  | 281012   | 20.996  | ug/l   | 92       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.608 | 75   | 28163    | 20.719  | ug/l # | 31       |
| 93) 1,2,4-Trichlorobenzene    | 15.268 | 180  | 126160   | 19.694  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.373 | 225  | 77424    | 21.360  | ug/l   | 99       |
| 95) Naphthalene               | 15.509 | 128  | 300561   | 20.325  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.702 | 180  | 126860   | 20.791  | ug/l   | 95       |

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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

