

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061424\  
 Data File : VN082576.D  
 Acq On : 14 Jun 2024 12:24  
 Operator : JC\MD  
 Sample : VN0614WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0614WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 06/17/2024  
 Supervised By : Mahesh Dadoda 06/17/2024

Quant Time: Jun 14 23:43:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 16 05:21:06 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.224          | 168  | 153103              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106          | 114  | 262755              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 240575              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794         | 152  | 112551              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.582          | 65   | 123950              | 51.271  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 102.540% |         |        |          |
| 35) Dibromofluoromethane     | 8.171          | 113  | 90548               | 56.020  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 112.040% |         |        |          |
| 50) Toluene-d8               | 10.570         | 98   | 308199              | 49.734  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 99.460%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.853         | 95   | 110985              | 50.178  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 64 - 133 |      | Recovery = 100.360% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 37865               | 17.154  | ug/l   | 100      |
| 3) Chloromethane             | 2.365          | 50   | 41563               | 16.615  | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.512          | 62   | 40245               | 17.113  | ug/l   | 96       |
| 5) Bromomethane              | 2.959          | 94   | 26186               | 19.371  | ug/l   | 92       |
| 6) Chloroethane              | 3.118          | 64   | 28483               | 18.548  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.494          | 101  | 56072               | 18.208  | ug/l   | 94       |
| 8) Diethyl Ether             | 3.965          | 74   | 19241               | 17.538  | ug/l   | 70       |
| 9) 1,1,2-Trichlorotrifluo... | 4.365          | 101  | 33137               | 18.420  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.589          | 142  | 28310               | 15.654  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 5.530          | 59   | 34567               | 89.075  | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 4.341          | 96   | 28739               | 17.188  | ug/l # | 77       |
| 13) Acrolein                 | 4.183          | 56   | 33741               | 117.330 | ug/l   | 99       |
| 14) Allyl chloride           | 5.024          | 41   | 58870               | 16.445  | ug/l # | 91       |
| 15) Acrylonitrile            | 5.724          | 53   | 94983               | 94.506  | ug/l   | 99       |
| 16) Acetone                  | 4.436          | 43   | 91870               | 92.637  | ug/l   | 92       |
| 17) Carbon Disulfide         | 4.718          | 76   | 83937               | 15.543  | ug/l   | 100      |
| 18) Methyl Acetate           | 5.030          | 43   | 51002               | 20.651  | ug/l # | 87       |
| 19) Methyl tert-butyl Ether  | 5.800          | 73   | 105878              | 17.324  | ug/l   | 92       |
| 20) Methylene Chloride       | 5.277          | 84   | 35744               | 17.864  | ug/l # | 79       |
| 21) trans-1,2-Dichloroethene | 5.783          | 96   | 31541               | 17.310  | ug/l   | 84       |
| 22) Diisopropyl ether        | 6.671          | 45   | 126898              | 16.976  | ug/l # | 92       |
| 23) Vinyl Acetate            | 6.606          | 43   | 497687              | 84.444  | ug/l # | 90       |
| 24) 1,1-Dichloroethane       | 6.571          | 63   | 67434               | 17.502  | ug/l   | 99       |
| 25) 2-Butanone               | 7.488          | 43   | 139433              | 92.733  | ug/l # | 86       |
| 26) 2,2-Dichloropropane      | 7.494          | 77   | 56941               | 17.644  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.488          | 96   | 37388               | 17.386  | ug/l   | 80       |
| 28) Bromochloromethane       | 7.818          | 49   | 39550               | 23.000  | ug/l # | 10       |
| 29) Tetrahydrofuran          | 7.841          | 42   | 91494               | 94.774  | ug/l # | 80       |
| 30) Chloroform               | 7.965          | 83   | 66570               | 18.093  | ug/l   | 95       |
| 31) Cyclohexane              | 8.259          | 56   | 58956               | 15.269  | ug/l   | 88       |
| 32) 1,1,1-Trichloroethane    | 8.171          | 97   | 59192               | 18.133  | ug/l   | 94       |
| 36) 1,1-Dichloropropene      | 8.377          | 75   | 45526               | 16.794  | ug/l   | 95       |
| 37) Ethyl Acetate            | 7.565          | 43   | 58959               | 19.434  | ug/l # | 93       |
| 38) Carbon Tetrachloride     | 8.365          | 117  | 50337               | 18.317  | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.606          | 83   | 46122               | 15.522  | ug/l   | 90       |
| 40) Benzene                  | 8.606          | 78   | 143954              | 17.808  | ug/l   | 96       |

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 ALS Vial : 5 Sample Multiplier: 1

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 Quant Title : SW846 8260  
 QLast Update : Thu May 16 05:21:06 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.782  | 41   | 30541    | 17.117  | ug/l # | 87       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 56090    | 18.041  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 110948   | 20.639  | ug/l # | 84       |
| 44) Trichloroethene           | 9.353  | 130  | 30747    | 16.744  | ug/l   | 89       |
| 45) 1,2-Dichloropropane       | 9.623  | 63   | 37579    | 18.017  | ug/l   | 94       |
| 46) Dibromomethane            | 9.712  | 93   | 25435    | 18.575  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.888  | 83   | 54186    | 18.744  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.682  | 41   | 45786    | 17.875  | ug/l # | 83       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 14443    | 402.381 | ug/l # | 75       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 288619   | 94.496  | ug/l   | 88       |
| 52) Toluene                   | 10.635 | 92   | 86824    | 17.898  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 54133    | 18.106  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 56510    | 17.856  | ug/l # | 82       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 33176    | 18.819  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.876 | 69   | 51774    | 17.298  | ug/l # | 70       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 59553    | 18.067  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 157713   | 102.155 | ug/l   | 90       |
| 59) 2-Hexanone                | 11.200 | 43   | 214457   | 95.895  | ug/l   | 88       |
| 60) Dibromochloromethane      | 11.365 | 129  | 38960    | 20.025  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.470 | 107  | 32550    | 17.976  | ug/l   | 96       |
| 64) Tetrachloroethene         | 11.106 | 164  | 32899    | 18.450  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.894 | 112  | 93310    | 17.557  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 33716    | 19.260  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 155794   | 16.387  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.070 | 106  | 116207   | 33.350  | ug/l   | 94       |
| 69) o-Xylene                  | 12.400 | 106  | 56771    | 16.820  | ug/l   | 96       |
| 70) Styrene                   | 12.412 | 104  | 93168    | 16.618  | ug/l   | 96       |
| 71) Bromoform                 | 12.576 | 173  | 26463    | 19.441  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.694 | 105  | 140274   | 15.688  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 75245    | 15.299  | ug/l # | 87       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 47588    | 18.463  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 13.000 | 75   | 45566m   | 19.235  | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 34369    | 16.129  | ug/l   | 82       |
| 78) n-propylbenzene           | 13.035 | 91   | 167810   | 15.849  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 107091   | 16.107  | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 118784   | 16.429  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 17767    | 17.542  | ug/l # | 83       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 103379   | 15.903  | ug/l   | 95       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 96096    | 15.192  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 116357   | 15.730  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.617 | 105  | 136347   | 15.552  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 112895   | 15.844  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 63643    | 16.486  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.811 | 146  | 64254    | 16.307  | ug/l   | 97       |
| 89) n-Butylbenzene            | 14.059 | 91   | 93964    | 14.672  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.335 | 117  | 24415    | 18.494  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 62325    | 17.055  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 10087    | 19.047  | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 30609    | 14.943  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.505 | 225  | 14421    | 16.045  | ug/l   | 99       |
| 95) Naphthalene               | 15.647 | 128  | 95450    | 14.869  | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 32497    | 15.848  | ug/l   | 95       |

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ALS Vial : 5 Sample Multiplier: 1

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Manual Integrations  
APPROVED

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Quant Time: Jun 14 23:43:58 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051524W.M  
Quant Title : SW846 8260  
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Response via : Initial Calibration

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

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

