

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012523\  
 Data File : VN076393.D  
 Acq On : 25 Jan 2023 11:35  
 Operator : JC\MD  
 Sample : VN0125WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0125WBS01

Quant Time: Jan 26 07:14:02 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 03:59:22 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 01/26/2023  
 Supervised By : Semsettin Yesilyurt 01/26/2023

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.230          | 168  | 363641              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106          | 114  | 578111              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 508256              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794         | 152  | 233562              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.583          | 65   | 228096              | 56.021  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 112.040% |         |        |          |
| 35) Dibromofluoromethane     | 8.171          | 113  | 197498              | 54.613  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 109.220% |         |        |          |
| 50) Toluene-d8               | 10.571         | 98   | 720506              | 53.948  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 107.900% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.853         | 95   | 239032              | 54.824  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 109.640% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 64570               | 17.327  | ug/l   | 99       |
| 3) Chloromethane             | 2.377          | 50   | 69984               | 18.139  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.530          | 62   | 99098               | 20.947  | ug/l   | 95       |
| 5) Bromomethane              | 2.971          | 94   | 75548               | 19.500  | ug/l   | 98       |
| 6) Chloroethane              | 3.136          | 64   | 70179               | 19.783  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.518          | 101  | 126527              | 19.440  | ug/l   | 96       |
| 8) Diethyl Ether             | 3.983          | 74   | 42833               | 19.621  | ug/l   | 93       |
| 9) 1,1,2-Trichlorotrifluo... | 4.395          | 101  | 68120               | 18.488  | ug/l   | 97       |
| 10) Methyl Iodide            | 4.601          | 142  | 94760               | 16.837  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.536          | 59   | 43636               | 80.124  | ug/l # | 85       |
| 12) 1,1-Dichloroethene       | 4.359          | 96   | 61054               | 17.529  | ug/l   | 90       |
| 13) Acrolein                 | 4.195          | 56   | 62270               | 95.609  | ug/l   | 97       |
| 14) Allyl chloride           | 5.042          | 41   | 81759m              | 20.143  | ug/l   |          |
| 15) Acrylonitrile            | 5.736          | 53   | 146346              | 94.430  | ug/l   | 99       |
| 16) Acetone                  | 4.442          | 43   | 136671              | 104.667 | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.730          | 76   | 135805              | 15.659  | ug/l   | 96       |
| 18) Methyl Acetate           | 5.048          | 43   | 82445               | 18.638  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.812          | 73   | 212412              | 18.733  | ug/l   | 98       |
| 20) Methylene Chloride       | 5.289          | 84   | 72604               | 18.418  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.806          | 96   | 65450               | 17.346  | ug/l   | 96       |
| 22) Diisopropyl ether        | 6.683          | 45   | 187001              | 19.536  | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.612          | 43   | 583853              | 94.378  | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 6.577          | 63   | 122178              | 19.149  | ug/l   | 97       |
| 25) 2-Butanone               | 7.494          | 43   | 183101              | 91.849  | ug/l   | 95       |
| 26) 2,2-Dichloropropane      | 7.500          | 77   | 97873               | 18.200  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.494          | 96   | 79176               | 17.991  | ug/l   | 96       |
| 28) Bromochloromethane       | 7.824          | 49   | 51040               | 19.736  | ug/l   | 93       |
| 29) Tetrahydrofuran          | 7.847          | 42   | 117047              | 95.133  | ug/l   | 97       |
| 30) Chloroform               | 7.971          | 83   | 135184              | 19.148  | ug/l   | 95       |
| 31) Cyclohexane              | 8.259          | 56   | 110009              | 17.588  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 8.177          | 97   | 119216              | 18.495  | ug/l   | 92       |
| 36) 1,1-Dichloropropene      | 8.377          | 75   | 96510               | 18.781  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.571          | 43   | 74676               | 18.141  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.371          | 117  | 107488              | 18.757  | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.606          | 83   | 113961              | 18.160  | ug/l   | 93       |
| 40) Benzene                  | 8.612          | 78   | 288149              | 18.753  | ug/l   | 97       |

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0125WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/26/2023  
 Supervised By : Semsettin Yesilyurt 01/26/2023

Quant Time: Jan 26 07:14:02 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 03:59:22 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.783  | 41   | 40032    | 18.550  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 102923   | 19.577  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 126922   | 18.929  | ug/l   | 98       |
| 44) Trichloroethene           | 9.359  | 130  | 75129    | 17.287  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 70732    | 19.227  | ug/l   | 96       |
| 46) Dibromomethane            | 9.712  | 93   | 51658    | 18.598  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.894  | 83   | 106128   | 19.700  | ug/l   | 94       |
| 48) Methyl methacrylate       | 9.683  | 41   | 59001    | 18.587  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 23488    | 350.667 | ug/l # | 91       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 381820   | 97.002  | ug/l   | 98       |
| 52) Toluene                   | 10.635 | 92   | 190433   | 18.533  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 97770    | 19.038  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 109506   | 18.535  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 76258    | 19.416  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 99423    | 19.607  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 123342   | 19.324  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 133045   | 77.721  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.200 | 43   | 278907   | 97.780  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.359 | 129  | 81617    | 19.740  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 71609    | 18.266  | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.106 | 164  | 81673    | 17.819  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.894 | 112  | 198745   | 18.498  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 76359    | 19.102  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 353046   | 19.200  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.071 | 106  | 277401   | 37.622  | ug/l   | 98       |
| 69) o-Xylene                  | 12.400 | 106  | 136820   | 18.896  | ug/l   | 95       |
| 70) Styrene                   | 12.412 | 104  | 223444   | 19.327  | ug/l   | 98       |
| 71) Bromoform                 | 12.576 | 173  | 54804    | 18.984  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.694 | 105  | 360220   | 19.936  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.494 | 43   | 102910   | 19.800  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 100145   | 19.280  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 89271m   | 20.420  | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 83584    | 19.443  | ug/l   | 96       |
| 78) n-propylbenzene           | 13.035 | 91   | 406044   | 19.917  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.124 | 91   | 248193   | 19.839  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 305415   | 20.177  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 26235    | 18.689  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 13.124 | 91   | 248193   | 19.839  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 267058   | 19.837  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 304016   | 20.030  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.618 | 105  | 371730   | 19.899  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 307553   | 20.021  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 153703   | 18.048  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 151370   | 18.748  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.059 | 91   | 233813   | 19.174  | ug/l   | 100      |
| 90) Hexachloroethane          | 14.335 | 117  | 52260    | 19.711  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 154663   | 18.234  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.718 | 75   | 17087    | 18.925  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 69372    | 17.789  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 39748    | 17.659  | ug/l   | 98       |
| 95) Naphthalene               | 15.641 | 128  | 193878   | 17.228  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 67916    | 18.137  | ug/l   | 99       |

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Sample : VN0125WBS01  
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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
APPROVED

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Quant Time: Jan 26 07:14:02 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N011623W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 17 03:59:22 2023  
Response via : Initial Calibration

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

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

