

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080824\  
 Data File : VN083148.D  
 Acq On : 08 Aug 2024 12:10  
 Operator : JC\MD  
 Sample : VN0808MBS01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0808MBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/08/2024  
 Supervised By : Semsettin Yesilyurt 08/09/2024

Quant Time: Aug 08 13:33:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N080724W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:30:41 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 8.224          | 168  | 201719     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100          | 114  | 341287     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 298166     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794         | 152  | 139220     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.577          | 65   | 137532     | 47.900  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 95.800% |        |          |
| 35) Dibromofluoromethane     | 8.165          | 113  | 100633     | 47.240  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 94.480% |        |          |
| 50) Toluene-d8               | 10.565         | 98   | 371992     | 46.813  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 93.620% |        |          |
| 62) 4-Bromofluorobenzene     | 12.847         | 95   | 144454     | 46.629  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 64 - 133 |      | Recovery = | 93.260% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 38794      | 16.959  | ug/l   | 97       |
| 3) Chloromethane             | 2.365          | 50   | 38519      | 16.447  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.518          | 62   | 38239      | 16.002  | ug/l   | 98       |
| 5) Bromomethane              | 2.954          | 94   | 24803      | 16.727  | ug/l   | 90       |
| 6) Chloroethane              | 3.124          | 64   | 23702      | 15.853  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.495          | 101  | 66587      | 16.867  | ug/l   | 96       |
| 8) Diethyl Ether             | 3.965          | 74   | 25977      | 17.684  | ug/l   | 83       |
| 9) 1,1,2-Trichlorotrifluo... | 4.377          | 101  | 37684      | 17.314  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.583          | 142  | 48878      | 17.072  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 5.512          | 59   | 49039      | 82.184  | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 4.342          | 96   | 37044      | 16.566  | ug/l   | 92       |
| 13) Acrolein                 | 4.183          | 56   | 32403      | 83.321  | ug/l   | 96       |
| 14) Allyl chloride           | 5.024          | 41   | 70097      | 16.588  | ug/l   | 86       |
| 15) Acrylonitrile            | 5.718          | 53   | 102541     | 83.557  | ug/l   | 100      |
| 16) Acetone                  | 4.430          | 43   | 93303      | 83.046  | ug/l   | 95       |
| 17) Carbon Disulfide         | 4.712          | 76   | 101248     | 15.475  | ug/l   | 99       |
| 18) Methyl Acetate           | 5.024          | 43   | 58518      | 17.482  | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 5.795          | 73   | 141985     | 17.592  | ug/l   | 98       |
| 20) Methylene Chloride       | 5.277          | 84   | 42326      | 16.369  | ug/l # | 78       |
| 21) trans-1,2-Dichloroethene | 5.789          | 96   | 38168      | 16.515  | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.671          | 45   | 138689     | 17.460  | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.606          | 43   | 769686     | 94.538  | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 6.565          | 63   | 75032      | 17.330  | ug/l   | 99       |
| 25) 2-Butanone               | 7.483          | 43   | 144812     | 83.944  | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 7.489          | 77   | 69425      | 17.267  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.483          | 96   | 46146      | 16.547  | ug/l   | 94       |
| 28) Bromochloromethane       | 7.812          | 49   | 30652      | 17.324  | ug/l   | 86       |
| 29) Tetrahydrofuran          | 7.841          | 42   | 95001      | 85.190  | ug/l # | 89       |
| 30) Chloroform               | 7.965          | 83   | 77701      | 17.275  | ug/l   | 98       |
| 31) Cyclohexane              | 8.259          | 56   | 67906      | 15.959  | ug/l   | 92       |
| 32) 1,1,1-Trichloroethane    | 8.171          | 97   | 73027      | 17.152  | ug/l   | 92       |
| 36) 1,1-Dichloropropene      | 8.377          | 75   | 53950      | 16.742  | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.565          | 43   | 58642      | 16.253  | ug/l # | 95       |
| 38) Carbon Tetrachloride     | 8.365          | 117  | 63288      | 17.437  | ug/l   | 94       |
| 39) Methylcyclohexane        | 9.600          | 83   | 65605      | 16.575  | ug/l   | 91       |
| 40) Benzene                  | 8.606          | 78   | 165777     | 17.269  | ug/l   | 99       |

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Quant Time: Aug 08 13:33:24 2024  
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 Quant Title : SW846 8260  
 QLast Update : Thu Aug 08 06:30:41 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.777  | 41   | 33763    | 16.458  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 62597    | 17.900  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 115629   | 17.027  | ug/l   | 96       |
| 44) Trichloroethene           | 9.353  | 130  | 39668    | 17.360  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 41396    | 18.166  | ug/l   | 97       |
| 46) Dibromomethane            | 9.712  | 93   | 29833    | 18.291  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.888  | 83   | 63887    | 17.445  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.682  | 41   | 51392    | 17.229  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 18344    | 340.867 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 304416   | 89.221  | ug/l   | 95       |
| 52) Toluene                   | 10.629 | 92   | 104816   | 17.281  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 68364    | 18.173  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 69911    | 17.472  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 39548    | 18.194  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 72512    | 17.695  | ug/l   | 90       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 69705    | 17.991  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 160635   | 92.737  | ug/l   | 97       |
| 59) 2-Hexanone                | 11.194 | 43   | 228048   | 86.395  | ug/l   | 93       |
| 60) Dibromochloromethane      | 11.359 | 129  | 47867    | 18.214  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 41214    | 18.049  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.106 | 164  | 33821    | 17.127  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.894 | 112  | 114756   | 17.416  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 40609    | 17.475  | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.965 | 91   | 208511   | 17.250  | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.071 | 106  | 155799   | 34.409  | ug/l   | 100      |
| 69) o-Xylene                  | 12.400 | 106  | 75539    | 16.915  | ug/l   | 97       |
| 70) Styrene                   | 12.412 | 104  | 131209   | 17.494  | ug/l   | 98       |
| 71) Bromoform                 | 12.576 | 173  | 31042    | 17.633  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.694 | 105  | 199286   | 17.114  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.494 | 43   | 93469    | 16.410  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 56938    | 17.288  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 50091m   | 16.394  | ug/l   |          |
| 77) Bromobenzene              | 12.976 | 156  | 44462    | 17.188  | ug/l   | 95       |
| 78) n-propylbenzene           | 13.035 | 91   | 227049   | 16.933  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 145473   | 17.112  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 13.171 | 105  | 168087   | 17.241  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 24300    | 17.299  | ug/l   | 86       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 143166   | 16.790  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 147714   | 17.109  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 171846   | 17.491  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 200548   | 17.024  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 168672   | 17.341  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 82685    | 16.988  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 81597    | 16.629  | ug/l   | 97       |
| 89) n-Butylbenzene            | 14.053 | 91   | 145521   | 17.266  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.335 | 117  | 31785    | 16.914  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 79658    | 16.912  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 12497    | 15.637  | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 43897    | 16.635  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 18947    | 16.145  | ug/l   | 97       |
| 95) Naphthalene               | 15.641 | 128  | 154887   | 16.571  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 44163    | 16.914  | ug/l   | 96       |

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Quant Time: Aug 08 13:33:24 2024  
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Quant Title : SW846 8260  
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Response via : Initial Calibration

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

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

