

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN031925\  
 Data File : VN086009.D  
 Acq On : 19 Mar 2025 15:14  
 Operator : JC\MD  
 Sample : VN0319WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0319WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 03/20/2025  
 Supervised By : Mahesh Dadoda 03/20/2025

Quant Time: Mar 20 01:31:48 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031825W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 19 03:20:56 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Pentafluorobenzene        | 8.224          | 168  | 152687              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.100          | 114  | 245864              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 224568              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788         | 152  | 113223              | 50.000 | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.571          | 65   | 109308              | 52.280 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 104.560% |        |        |          |
| 35) Dibromofluoromethane     | 8.165          | 113  | 86428               | 50.363 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 100.720% |        |        |          |
| 50) Toluene-d8               | 10.565         | 98   | 312007              | 50.095 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 100.200% |        |        |          |
| 62) 4-Bromofluorobenzene     | 12.847         | 95   | 111205              | 50.066 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 100.140% |        |        |          |
| Target Compounds             |                |      |                     |        |        |          |
|                              |                |      |                     |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 38434               | 19.000 | ug/l   | 98       |
| 3) Chloromethane             | 2.359          | 50   | 32468               | 18.309 | ug/l   | 92       |
| 4) Vinyl Chloride            | 2.512          | 62   | 33451               | 18.448 | ug/l   | 95       |
| 5) Bromomethane              | 2.959          | 94   | 22949               | 18.581 | ug/l   | 91       |
| 6) Chloroethane              | 3.124          | 64   | 20363               | 17.802 | ug/l # | 84       |
| 7) Trichlorofluoromethane    | 3.501          | 101  | 60945               | 18.698 | ug/l   | 96       |
| 8) Diethyl Ether             | 3.959          | 74   | 18712               | 18.752 | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 4.377          | 101  | 32200               | 18.587 | ug/l   | 99       |
| 10) Methyl Iodide            | 4.589          | 142  | 42261               | 18.722 | ug/l   | 95       |
| 11) Tert butyl alcohol       | 5.518          | 59   | 22742               | 76.826 | ug/l   | 95       |
| 12) 1,1-Dichloroethene       | 4.342          | 96   | 30625               | 19.578 | ug/l   | 98       |
| 13) Acrolein                 | 4.177          | 56   | 29117               | 92.221 | ug/l   | 96       |
| 14) Allyl chloride           | 5.018          | 41   | 34115               | 17.481 | ug/l   | 97       |
| 15) Acrylonitrile            | 5.712          | 53   | 73849               | 94.462 | ug/l   | 98       |
| 16) Acetone                  | 4.418          | 43   | 53165               | 83.231 | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.712          | 76   | 91281               | 17.744 | ug/l   | 100      |
| 18) Methyl Acetate           | 5.018          | 43   | 29536               | 18.689 | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.795          | 73   | 98916               | 19.297 | ug/l   | 99       |
| 20) Methylene Chloride       | 5.271          | 84   | 36317               | 19.435 | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.783          | 96   | 33400               | 19.538 | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.665          | 45   | 87096               | 20.943 | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.600          | 43   | 306390              | 97.189 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.571          | 63   | 59868               | 19.577 | ug/l   | 99       |
| 25) 2-Butanone               | 7.483          | 43   | 80494               | 87.333 | ug/l   | 95       |
| 26) 2,2-Dichloropropane      | 7.489          | 77   | 54817               | 18.619 | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.489          | 96   | 37465               | 19.286 | ug/l   | 97       |
| 28) Bromochloromethane       | 7.812          | 49   | 25130               | 19.396 | ug/l   | 95       |
| 29) Tetrahydrofuran          | 7.836          | 42   | 53549               | 94.107 | ug/l   | 98       |
| 30) Chloroform               | 7.965          | 83   | 66773               | 19.754 | ug/l   | 100      |
| 31) Cyclohexane              | 8.253          | 56   | 46265               | 17.759 | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 8.165          | 97   | 63126               | 19.729 | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.371          | 75   | 44082               | 19.508 | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.559          | 43   | 34910               | 18.312 | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 8.359          | 117  | 58270               | 19.612 | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.600          | 83   | 37483               | 16.719 | ug/l   | 92       |
| 40) Benzene                  | 8.606          | 78   | 141305              | 19.920 | ug/l   | 99       |

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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
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Manual Integrations  
 APPROVED

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Quant Time: Mar 20 01:31:48 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031825W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 19 03:20:56 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.765  | 41   | 17468    | 19.189  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.665  | 62   | 49681    | 20.100  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 59717    | 14.456  | ug/l   | 99       |
| 44) Trichloroethene           | 9.353  | 130  | 33215    | 18.066  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 32041    | 19.859  | ug/l   | 91       |
| 46) Dibromomethane            | 9.706  | 93   | 25317    | 19.953  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.883  | 83   | 54446    | 20.532  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.677  | 41   | 25206    | 18.491  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.688  | 88   | 11958    | 371.079 | ug/l # | 91       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 174028   | 95.522  | ug/l   | 100      |
| 52) Toluene                   | 10.630 | 92   | 88999    | 20.442  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 49805    | 19.339  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 53892    | 19.834  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 11.012 | 97   | 34309    | 20.647  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 44014    | 19.434  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 11.159 | 76   | 57267    | 20.290  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 104902   | 119.667 | ug/l   | 99       |
| 59) 2-Hexanone                | 11.194 | 43   | 126005   | 94.940  | ug/l   | 95       |
| 60) Dibromochloromethane      | 11.359 | 129  | 43342    | 20.213  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.465 | 107  | 34476    | 20.209  | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.100 | 164  | 34864    | 19.462  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.888 | 112  | 94309    | 18.353  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 37850    | 19.814  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 154880   | 18.842  | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.071 | 106  | 125215   | 38.756  | ug/l   | 99       |
| 69) o-Xylene                  | 12.394 | 106  | 59163    | 19.952  | ug/l   | 95       |
| 70) Styrene                   | 12.412 | 104  | 100016   | 19.747  | ug/l   | 99       |
| 71) Bromoform                 | 12.576 | 173  | 30071    | 18.831  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.694 | 105  | 141597   | 18.314  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 45798    | 17.704  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 46615    | 17.821  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.988 | 75   | 44740m   | 17.650  | ug/l   |          |
| 77) Bromobenzene              | 12.976 | 156  | 39703    | 18.416  | ug/l   | 98       |
| 78) n-propylbenzene           | 13.035 | 91   | 169459   | 19.355  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 110430   | 18.989  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.171 | 105  | 126023   | 19.305  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 14555    | 15.181  | ug/l # | 84       |
| 82) 4-Chlorotoluene           | 13.218 | 91   | 115770   | 19.359  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.435 | 119  | 97952    | 17.545  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 128992   | 19.591  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.612 | 105  | 137263   | 18.846  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 117681   | 19.087  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 74375    | 19.139  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 72943    | 17.865  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.053 | 91   | 91116    | 18.148  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.329 | 117  | 25841    | 18.164  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 70784    | 18.323  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 9211     | 17.640  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 32271    | 16.613  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 18862    | 16.737  | ug/l   | 98       |
| 95) Naphthalene               | 15.641 | 128  | 85877    | 15.268  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 33102    | 17.959  | ug/l   | 98       |

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Sample : VN0319WBSD01  
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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Manual Integrations  
APPROVED

Reviewed By :John Carlone 03/20/2025  
Supervised By :Mahesh Dadoda 03/20/2025

Quant Time: Mar 20 01:31:48 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031825W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 19 03:20:56 2025  
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

