

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011325\  
 Data File : VN085436.D  
 Acq On : 13 Jan 2025 19:30  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jan 13 20:47:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122724W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Dec 28 01:36:16 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 01/14/2025  
 Supervised By : Mahesh Dadoda 01/14/2025

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.218  | 168  | 178083   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 306126   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 272533   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 132771   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |             |      |
|-----------------------------|--------|-------|----------|----------|-------------|------|
| System Monitoring Compounds |        |       |          |          |             |      |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 148874   | 58.612   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 117.220%  |      |
| 35) Dibromofluoromethane    | 8.165  | 113   | 107612   | 56.348   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 112.700%  |      |
| 50) Toluene-d8              | 10.565 | 98    | 406042   | 57.939   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 115.880%# |      |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 145176   | 62.376   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 124.760%# |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 2.124 | 85  | 123499  | 51.277  | ug/l   | 99  |
| 3) Chloromethane             | 2.360 | 50  | 129309  | 47.770  | ug/l   | 96  |
| 4) Vinyl Chloride            | 2.512 | 62  | 133011  | 46.462  | ug/l   | 94  |
| 5) Bromomethane              | 2.942 | 94  | 77287   | 41.280  | ug/l   | 100 |
| 6) Chloroethane              | 3.112 | 64  | 82432   | 45.404  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 3.495 | 101 | 192614  | 51.183  | ug/l   | 98  |
| 8) Diethyl Ether             | 3.959 | 74  | 66806   | 53.615  | ug/l   | 96  |
| 9) 1,1,2-Trichlorotrifluo... | 4.371 | 101 | 109021  | 50.913  | ug/l   | 99  |
| 10) Methyl Iodide            | 4.589 | 142 | 131545  | 53.085  | ug/l   | 91  |
| 11) Tert butyl alcohol       | 5.518 | 59  | 104080  | 327.237 | ug/l   | 98  |
| 12) 1,1-Dichloroethene       | 4.342 | 96  | 101009  | 51.042  | ug/l   | 99  |
| 13) Acrolein                 | 4.177 | 56  | 144203  | 290.807 | ug/l   | 98  |
| 14) Allyl chloride           | 5.024 | 41  | 159654  | 50.408  | ug/l   | 98  |
| 15) Acrylonitrile            | 5.718 | 53  | 285933  | 285.635 | ug/l   | 99  |
| 16) Acetone                  | 4.424 | 43  | 241454  | 289.093 | ug/l   | 97  |
| 17) Carbon Disulfide         | 4.712 | 76  | 288686  | 47.952  | ug/l   | 98  |
| 18) Methyl Acetate           | 5.018 | 43  | 153846  | 60.165  | ug/l   | 98  |
| 19) Methyl tert-butyl Ether  | 5.789 | 73  | 353885  | 55.017  | ug/l   | 98  |
| 20) Methylene Chloride       | 5.277 | 84  | 117831  | 52.450  | ug/l   | 95  |
| 21) trans-1,2-Dichloroethene | 5.783 | 96  | 105304  | 50.939  | ug/l   | 94  |
| 22) Diisopropyl ether        | 6.671 | 45  | 378916  | 55.518  | ug/l   | 98  |
| 23) Vinyl Acetate            | 6.600 | 43  | 1408577 | 285.284 | ug/l   | 100 |
| 24) 1,1-Dichloroethane       | 6.565 | 63  | 216416  | 52.638  | ug/l   | 99  |
| 25) 2-Butanone               | 7.477 | 43  | 383197  | 295.735 | ug/l   | 99  |
| 26) 2,2-Dichloropropane      | 7.489 | 77  | 184620  | 51.255  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 7.483 | 96  | 127486  | 52.542  | ug/l   | 95  |
| 28) Bromochloromethane       | 7.812 | 49  | 103243  | 54.036  | ug/l # | 98  |
| 29) Tetrahydrofuran          | 7.836 | 42  | 255434  | 306.036 | ug/l   | 98  |
| 30) Chloroform               | 7.959 | 83  | 219711  | 52.236  | ug/l   | 99  |
| 31) Cyclohexane              | 8.253 | 56  | 180017  | 47.950  | ug/l   | 99  |
| 32) 1,1,1-Trichloroethane    | 8.165 | 97  | 198220  | 52.768  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 8.371 | 75  | 153742  | 54.982  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.559 | 43  | 155194  | 55.839  | ug/l   | 100 |
| 38) Carbon Tetrachloride     | 8.359 | 117 | 172549  | 56.613  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.600 | 83  | 154314  | 53.190  | ug/l   | 97  |
| 40) Benzene                  | 8.600 | 78  | 466971  | 55.235  | ug/l   | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011325\  
 Data File : VN085436.D  
 Acq On : 13 Jan 2025 19:30  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jan 13 20:47:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122724W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Dec 28 01:36:16 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/14/2025  
 Supervised By : Mahesh Dadoda 01/14/2025

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.771  | 41   | 87133    | 61.215   | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 8.665  | 62   | 173255   | 57.159   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.683  | 43   | 263086   | 57.488   | ug/l   | 100      |
| 44) Trichloroethene           | 9.353  | 130  | 104214   | 52.066   | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.618  | 63   | 119473   | 55.668   | ug/l   | 99       |
| 46) Dibromomethane            | 9.706  | 93   | 84448    | 56.579   | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.883  | 83   | 175418   | 56.546   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.677  | 41   | 127726   | 64.321   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.688  | 88   | 39261    | 1310.415 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.441 | 43   | 816152   | 317.351  | ug/l   | 100      |
| 52) Toluene                   | 10.630 | 92   | 287552   | 57.123   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 177407   | 58.151   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 186818   | 56.630   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 11.012 | 97   | 108812   | 57.253   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.871 | 69   | 177687   | 64.194   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 11.159 | 76   | 193571   | 58.030   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 412364   | 307.920  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.194 | 43   | 593634   | 332.698  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.353 | 129  | 129653   | 60.567   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.465 | 107  | 108540   | 57.725   | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.100 | 164  | 91254    | 52.843   | ug/l   | 99       |
| 65) Chlorobenzene             | 11.888 | 112  | 304600   | 51.720   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 110014   | 55.658   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.959 | 91   | 544983   | 55.643   | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.071 | 106  | 414998   | 115.782  | ug/l   | 99       |
| 69) o-Xylene                  | 12.394 | 106  | 197141   | 56.856   | ug/l   | 97       |
| 70) Styrene                   | 12.406 | 104  | 336075   | 59.804   | ug/l   | 99       |
| 71) Bromoform                 | 12.577 | 173  | 83221    | 60.788   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.694 | 105  | 504546   | 52.845   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.494 | 43   | 228734   | 55.969   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 157872   | 51.917   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.988 | 75   | 129596m  | 52.270   | ug/l   |          |
| 77) Bromobenzene              | 12.977 | 156  | 119623   | 50.570   | ug/l   | 97       |
| 78) n-propylbenzene           | 13.035 | 91   | 600521   | 53.959   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.124 | 91   | 368254   | 52.575   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.171 | 105  | 431056   | 55.816   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 56552    | 54.625   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 13.218 | 91   | 366293   | 51.925   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 346818   | 51.843   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.476 | 105  | 430807   | 56.023   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.612 | 105  | 490587   | 52.831   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 416176   | 50.088   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 221637   | 51.685   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 221424   | 50.268   | ug/l   | 100      |
| 89) n-Butylbenzene            | 14.053 | 91   | 348279   | 51.219   | ug/l   | 100      |
| 90) Hexachloroethane          | 14.329 | 117  | 83614    | 54.933   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 212723   | 52.075   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.718 | 75   | 32476    | 60.008   | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 102945   | 50.494   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.494 | 225  | 46136    | 45.546   | ug/l   | 95       |
| 95) Naphthalene               | 15.641 | 128  | 327501   | 47.373   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 100636   | 49.404   | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011325\  
Data File : VN085436.D  
Acq On : 13 Jan 2025 19:30  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

Reviewed By :John Carlone 01/14/2025  
Supervised By :Mahesh Dadoda 01/14/2025

Quant Time: Jan 13 20:47:17 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122724W.M  
Quant Title : SW846 8260  
QLast Update : Sat Dec 28 01:36:16 2024  
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN011325\  
Data File : VN085436.D  
Acq On : 13 Jan 2025 19:30  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

Reviewed By : John Carlone 01/14/2025  
Supervised By : Mahesh Dadoda 01/14/2025

Quant Time: Jan 13 20:47:17 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122724W.M  
Quant Title : SW846 8260  
QLast Update : Sat Dec 28 01:36:16 2024  
Response via : Initial Calibration

