

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061224\  
 Data File : VN082544.D  
 Acq On : 12 Jun 2024 21:25  
 Operator : JC\MD  
 Sample : P2840-04MSD  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BPOW6-9-20240610MSD

Quant Time: Jun 13 01:35:22 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

### Manual Integrations APPROVED

Reviewed By : John Carlone 06/13/2024  
 Supervised By : Mahesh Dadoda 06/13/2024

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.224          | 168  | 159078              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106          | 114  | 274884              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 259963              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794         | 152  | 128525              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.583          | 65   | 130631              | 52.005  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 104.020% |         |        |          |
| 35) Dibromofluoromethane     | 8.171          | 113  | 94079               | 55.636  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 111.280% |         |        |          |
| 50) Toluene-d8               | 10.571         | 98   | 329165              | 50.773  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 101.540% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.847         | 95   | 127860              | 55.256  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 64 - 133 |      | Recovery = 110.520% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 135982              | 59.290  | ug/l   | 99       |
| 3) Chloromethane             | 2.359          | 50   | 144397              | 55.554  | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.512          | 62   | 144751              | 59.238  | ug/l   | 97       |
| 5) Bromomethane              | 2.948          | 94   | 82415               | 58.678  | ug/l   | 99       |
| 6) Chloroethane              | 3.118          | 64   | 97682               | 61.221  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.495          | 101  | 192496              | 60.160  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.959          | 74   | 69182               | 60.692  | ug/l   | 69       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 108287              | 57.933  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.595          | 142  | 119293              | 63.485  | ug/l   | 95       |
| 11) Tert butyl alcohol       | 5.524          | 59   | 136066              | 337.455 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.342          | 96   | 103153              | 59.375  | ug/l # | 80       |
| 13) Acrolein                 | 4.183          | 56   | 102668              | 343.606 | ug/l   | 97       |
| 14) Allyl chloride           | 5.024          | 41   | 201395              | 54.144  | ug/l # | 91       |
| 15) Acrylonitrile            | 5.724          | 53   | 344595              | 329.986 | ug/l   | 99       |
| 16) Acetone                  | 4.424          | 43   | 315792              | 306.470 | ug/l   | 91       |
| 17) Carbon Disulfide         | 4.718          | 76   | 304695              | 54.301  | ug/l   | 98       |
| 18) Methyl Acetate           | 5.030          | 43   | 155144              | 60.458  | ug/l # | 87       |
| 19) Methyl tert-butyl Ether  | 5.794          | 73   | 387781              | 61.065  | ug/l   | 94       |
| 20) Methylene Chloride       | 5.277          | 84   | 123161              | 59.241  | ug/l # | 77       |
| 21) trans-1,2-Dichloroethene | 5.783          | 96   | 111026              | 58.643  | ug/l # | 77       |
| 22) Diisopropyl ether        | 6.671          | 45   | 466347              | 60.042  | ug/l # | 91       |
| 23) Vinyl Acetate            | 6.606          | 43   | 1780788             | 290.801 | ug/l # | 90       |
| 24) 1,1-Dichloroethane       | 6.571          | 63   | 241099              | 60.224  | ug/l   | 99       |
| 25) 2-Butanone               | 7.483          | 43   | 503973              | 322.589 | ug/l # | 82       |
| 26) 2,2-Dichloropropane      | 7.489          | 77   | 173215              | 51.657  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.489          | 96   | 136827              | 61.239  | ug/l   | 83       |
| 28) Bromochloromethane       | 7.812          | 49   | 91434               | 52.680  | ug/l # | 75       |
| 29) Tetrahydrofuran          | 7.841          | 42   | 340895              | 339.852 | ug/l # | 83       |
| 30) Chloroform               | 7.965          | 83   | 238133              | 62.290  | ug/l   | 98       |
| 31) Cyclohexane              | 8.259          | 56   | 204426              | 50.955  | ug/l   | 88       |
| 32) 1,1,1-Trichloroethane    | 8.171          | 97   | 210883              | 62.177  | ug/l   | 94       |
| 36) 1,1-Dichloropropene      | 8.371          | 75   | 165383              | 58.315  | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.559          | 43   | 191819              | 60.438  | ug/l # | 93       |
| 38) Carbon Tetrachloride     | 8.365          | 117  | 180610              | 62.823  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.600          | 83   | 175236              | 56.371  | ug/l # | 85       |
| 40) Benzene                  | 8.606          | 78   | 516448              | 61.068  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061224\  
 Data File : VN082544.D  
 Acq On : 12 Jun 2024 21:25  
 Operator : JC\MD  
 Sample : P2840-04MSD  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BPOW6-9-20240610MSD

Quant Time: Jun 13 01:35:22 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

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 06/13/2024  
 Supervised By :Mahesh Dadoda 06/13/2024

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.783  | 41   | 114790   | 61.498   | ug/l # | 86       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 192558   | 59.202   | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 355652   | 63.240   | ug/l # | 89       |
| 44) Trichloroethene           | 9.353  | 130  | 114995   | 59.860   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 132833   | 60.876   | ug/l   | 96       |
| 46) Dibromomethane            | 9.712  | 93   | 88273    | 61.620   | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.888  | 83   | 191298   | 63.255   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.682  | 41   | 169514   | 63.258   | ug/l # | 83       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 53956    | 1436.883 | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 1077430  | 337.194  | ug/l   | 91       |
| 52) Toluene                   | 10.629 | 92   | 320138   | 63.080   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 197292   | 63.077   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 198369   | 59.916   | ug/l # | 81       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 119684   | 64.893   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 204565   | 65.330   | ug/l # | 73       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 215488   | 62.490   | ug/l   | 99       |
| 59) 2-Hexanone                | 11.194 | 43   | 811851   | 347.004  | ug/l   | 90       |
| 60) Dibromochloromethane      | 11.359 | 129  | 142093   | 69.813   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 120489   | 63.604   | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.106 | 164  | 113490   | 58.900   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.894 | 112  | 336924   | 58.667   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 124415   | 65.769   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.965 | 91   | 621102   | 60.457   | ug/l   | 97       |
| 68) m/p-Xylenes               | 12.071 | 106  | 465160   | 123.540  | ug/l   | 95       |
| 69) o-Xylene                  | 12.400 | 106  | 223318   | 61.229   | ug/l   | 92       |
| 70) Styrene                   | 12.412 | 104  | 384204   | 63.419   | ug/l   | 97       |
| 71) Bromoform                 | 12.582 | 173  | 98310    | 65.127   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.694 | 105  | 577906   | 56.599   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.494 | 43   | 296235   | 52.744   | ug/l # | 88       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 170540   | 57.941   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 163958m  | 60.610   | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 139156   | 57.188   | ug/l   | 90       |
| 78) n-propylbenzene           | 13.035 | 91   | 683787   | 56.553   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 415826   | 54.768   | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 479332   | 58.057   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 66573    | 57.561   | ug/l # | 76       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 415297   | 55.945   | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 405290   | 56.111   | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 488314   | 57.810   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 570022   | 56.936   | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 473815   | 58.234   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 250885   | 56.910   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 250129   | 55.592   | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.059 | 91   | 398989   | 54.558   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.335 | 117  | 91288    | 60.556   | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 243254   | 58.294   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 37085    | 61.324   | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 124160   | 53.081   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 54151    | 52.760   | ug/l   | 98       |
| 95) Naphthalene               | 15.641 | 128  | 427971   | 58.384   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 130547   | 55.751   | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061224\  
Data File : VN082544.D  
Acq On : 12 Jun 2024 21:25  
Operator : JC\MD  
Sample : P2840-04MSD  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
BPOW6-9-20240610MSD

Manual Integrations  
APPROVED

Reviewed By :John Carlone 06/13/2024  
Supervised By :Mahesh Dadoda 06/13/2024

Quant Time: Jun 13 01:35:22 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) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

