

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081722\  
 Data File : VN073989.D  
 Acq On : 17 Aug 2022 20:27  
 Operator : JC\MD  
 Sample : VN0817MBS02  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0817MBS02

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/18/2022  
 Supervised By : Mahesh Dadoda 08/18/2022

Quant Time: Aug 18 00:51:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081522W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 16 00:45:21 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.016          | 168  | 553479              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.904          | 114  | 841679              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.686         | 117  | 757993              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.615         | 152  | 367224              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.369          | 65   | 291954              | 54.157  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 108.320% |         |        |          |
| 35) Dibromofluoromethane     | 7.951          | 113  | 256468              | 51.524  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 103.040% |         |        |          |
| 50) Toluene-d8               | 10.380         | 98   | 957659              | 49.677  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 99.360%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.674         | 95   | 322929              | 50.474  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 100.940% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.046          | 85   | 79942               | 18.216  | ug/l   | 98       |
| 3) Chloromethane             | 2.269          | 50   | 93805               | 19.221  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.404          | 62   | 113725              | 18.152  | ug/l   | 98       |
| 5) Bromomethane              | 2.804          | 94   | 62953               | 16.091  | ug/l   | 95       |
| 6) Chloroethane              | 2.969          | 64   | 75795               | 17.125  | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 3.316          | 101  | 150210              | 18.586  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.769          | 74   | 58644               | 19.547  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 4.145          | 101  | 81276               | 17.312  | ug/l   | 93       |
| 10) Methyl Iodide            | 4.351          | 142  | 89917               | 15.953  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.287          | 59   | 123795              | 102.662 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.116          | 96   | 77356               | 17.709  | ug/l   | 91       |
| 13) Acrolein                 | 3.981          | 56   | 99170               | 117.494 | ug/l   | 99       |
| 14) Allyl chloride           | 4.763          | 41   | 117636              | 18.183  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.481          | 53   | 303427              | 103.067 | ug/l   | 99       |
| 16) Acetone                  | 4.222          | 43   | 258717              | 101.723 | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.463          | 76   | 173766              | 16.730  | ug/l   | 97       |
| 18) Methyl Acetate           | 4.781          | 43   | 150260              | 22.226  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.534          | 73   | 303021              | 19.261  | ug/l   | 96       |
| 20) Methylene Chloride       | 5.016          | 84   | 100777              | 18.778  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 5.516          | 96   | 85614               | 17.790  | ug/l   | 94       |
| 22) Diisopropyl ether        | 6.416          | 45   | 274858              | 20.038  | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.351          | 43   | 1173377             | 99.822  | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.310          | 63   | 161834              | 18.954  | ug/l   | 97       |
| 25) 2-Butanone               | 7.263          | 43   | 422020              | 104.649 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.251          | 77   | 116406              | 14.511  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.251          | 96   | 108381              | 18.253  | ug/l   | 94       |
| 28) Bromochloromethane       | 7.586          | 49   | 70734               | 22.462  | ug/l   | 90       |
| 29) Tetrahydrofuran          | 7.610          | 42   | 274532              | 106.123 | ug/l   | 97       |
| 30) Chloroform               | 7.745          | 83   | 177495              | 18.591  | ug/l   | 98       |
| 31) Cyclohexane              | 8.022          | 56   | 134623              | 17.914  | ug/l # | 90       |
| 32) 1,1,1-Trichloroethane    | 7.939          | 97   | 157432              | 18.595  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.151          | 75   | 121777              | 17.614  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.339          | 43   | 165389              | 19.746  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.139          | 117  | 134666              | 17.041  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.392          | 83   | 139511              | 16.104  | ug/l   | 96       |
| 40) Benzene                  | 8.392          | 78   | 387446              | 17.756  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081722\  
 Data File : VN073989.D  
 Acq On : 17 Aug 2022 20:27  
 Operator : JC\MD  
 Sample : VN0817MBS02  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0817MBS02

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/18/2022  
 Supervised By : Mahesh Dadoda 08/18/2022

Quant Time: Aug 18 00:51:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081522W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 16 00:45:21 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.569  | 41   | 75114    | 19.844  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.463  | 62   | 137423   | 18.316  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.498  | 43   | 225722   | 18.917  | ug/l   | 97       |
| 44) Trichloroethene           | 9.151  | 130  | 106821   | 16.949  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.427  | 63   | 95749    | 18.307  | ug/l   | 96       |
| 46) Dibromomethane            | 9.516  | 93   | 72311    | 18.185  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.698  | 83   | 134903   | 17.750  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.498  | 41   | 103503   | 20.272  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.504  | 88   | 57091    | 376.019 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.269 | 43   | 805472   | 99.843  | ug/l   | 100      |
| 52) Toluene                   | 10.445 | 92   | 250891   | 16.768  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.657 | 75   | 137501   | 17.241  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.127 | 75   | 152078   | 17.428  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.839 | 97   | 107030   | 18.389  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.704 | 69   | 161386   | 19.441  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.986 | 76   | 177570   | 18.763  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.980  | 63   | 422132   | 108.953 | ug/l   | 97       |
| 59) 2-Hexanone                | 11.027 | 43   | 622752   | 100.303 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.180 | 129  | 114691   | 17.818  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.286 | 107  | 113537   | 18.238  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.916 | 164  | 95027    | 15.884  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.710 | 112  | 278016   | 17.258  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.780 | 131  | 106070   | 17.388  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.786 | 91   | 464745   | 17.347  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.892 | 106  | 372470   | 34.218  | ug/l   | 98       |
| 69) o-Xylene                  | 12.221 | 106  | 191340   | 17.529  | ug/l   | 93       |
| 70) Styrene                   | 12.233 | 104  | 294244   | 17.218  | ug/l   | 99       |
| 71) Bromoform                 | 12.398 | 173  | 91063    | 16.720  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.521 | 105  | 474384   | 17.741  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.327 | 43   | 181014   | 17.907  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 12.768 | 83   | 171830   | 19.149  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.821 | 75   | 126486m  | 16.572  | ug/l   |          |
| 77) Bromobenzene              | 12.798 | 156  | 125692   | 17.366  | ug/l   | 93       |
| 78) n-propylbenzene           | 12.863 | 91   | 502343   | 17.624  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.945 | 91   | 320439   | 18.040  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.998 | 105  | 393950   | 18.113  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.568 | 75   | 45836    | 17.080  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 13.045 | 91   | 303669   | 18.000  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.263 | 119  | 351273   | 17.551  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.310 | 105  | 397232   | 18.289  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.439 | 105  | 472721   | 18.221  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.557 | 119  | 401740   | 18.177  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.557 | 146  | 219656   | 17.500  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.633 | 146  | 214716   | 16.879  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.886 | 91   | 291417   | 16.646  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.151 | 117  | 71100    | 17.599  | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene       | 13.927 | 146  | 225619   | 17.406  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.545 | 75   | 37784    | 17.834  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 15.198 | 180  | 130049   | 16.485  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.304 | 225  | 69241    | 16.650  | ug/l   | 97       |
| 95) Naphthalene               | 15.439 | 128  | 456811   | 17.762  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.627 | 180  | 140895   | 17.279  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN081722\  
Data File : VN073989.D  
Acq On : 17 Aug 2022 20:27  
Operator : JC\MD  
Sample : VN0817MBS02  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0817MBS02

Manual Integrations  
APPROVED

Reviewed By : John Carlone 08/18/2022  
Supervised By : Mahesh Dadoda 08/18/2022

Quant Time: Aug 18 00:51:28 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N081522W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 16 00:45:21 2022  
Response via : Initial Calibration

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

-----

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

