

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051823\  
 Data File : VX035740.D  
 Acq On : 18 May 2023 14:22  
 Operator : JC/MD  
 Sample : VX0518MBS01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0518MBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/19/2023  
 Supervised By : Mahesh Dadoda 05/19/2023

Quant Time: May 19 05:46:51 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 11 13:57:54 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 5.550  | 168   | 200599   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.757  | 114   | 350332   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 308090   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 148662   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.946  | 65    | 177536   | 50.731   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | = 101.460% |          |
| 35) Dibromofluoromethane     | 5.379  | 113   | 119296   | 50.493   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 100.980% |          |
| 50) Toluene-d8               | 8.647  | 98    | 436051   | 49.959   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | = 99.920%  |          |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 179030   | 50.943   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | = 101.880% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166  | 85    | 53530    | 20.476   | ug/l       | 99       |
| 3) Chloromethane             | 1.295  | 50    | 55300    | 17.430   | ug/l       | 98       |
| 4) Vinyl Chloride            | 1.374  | 62    | 53411    | 19.837   | ug/l       | 98       |
| 5) Bromomethane              | 1.618  | 94    | 32012    | 21.953   | ug/l       | 95       |
| 6) Chloroethane              | 1.691  | 64    | 31660    | 19.383   | ug/l       | 99       |
| 7) Trichlorofluoromethane    | 1.886  | 101   | 77692    | 19.625   | ug/l       | 98       |
| 8) Diethyl Ether             | 2.130  | 74    | 30772    | 20.188   | ug/l       | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325  | 101   | 47131    | 20.052   | ug/l       | 95       |
| 10) Methyl Iodide            | 2.447  | 142   | 46502    | 22.121   | ug/l       | 91       |
| 11) Tert butyl alcohol       | 3.014  | 59    | 58634    | 94.968   | ug/l       | # 85     |
| 12) 1,1-Dichloroethene       | 2.319  | 96    | 42608    | 19.073   | ug/l       | 87       |
| 13) Acrolein                 | 2.239  | 56    | 65734    | 89.704   | ug/l       | 99       |
| 14) Allyl chloride           | 2.666  | 41    | 85324    | 17.828   | ug/l       | 93       |
| 15) Acrylonitrile            | 3.069  | 53    | 138195   | 101.647  | ug/l       | 98       |
| 16) Acetone                  | 2.398  | 43    | 140438   | 93.371   | ug/l       | 93       |
| 17) Carbon Disulfide         | 2.514  | 76    | 89221    | 16.549   | ug/l       | 99       |
| 18) Methyl Acetate           | 2.703  | 43    | 117535   | 21.189   | ug/l       | 97       |
| 19) Methyl tert-butyl Ether  | 3.111  | 73    | 170245   | 19.151   | ug/l       | 100      |
| 20) Methylene Chloride       | 2.788  | 84    | 51598    | 18.929   | ug/l       | 98       |
| 21) trans-1,2-Dichloroethene | 3.093  | 96    | 47041    | 19.217   | ug/l       | 98       |
| 22) Diisopropyl ether        | 3.757  | 45    | 179989   | 19.208   | ug/l       | 92       |
| 23) Vinyl Acetate            | 3.721  | 43    | 634281   | 95.666   | ug/l       | 97       |
| 24) 1,1-Dichloroethane       | 3.605  | 63    | 96214    | 19.199   | ug/l       | 98       |
| 25) 2-Butanone               | 4.562  | 43    | 206081   | 98.976   | ug/l       | 98       |
| 26) 2,2-Dichloropropane      | 4.477  | 77    | 75065    | 17.688   | ug/l       | 96       |
| 27) cis-1,2-Dichloroethene   | 4.483  | 96    | 54695    | 18.587   | ug/l       | 94       |
| 28) Bromochloromethane       | 4.898  | 49    | 47180    | 20.930   | ug/l       | 95       |
| 29) Tetrahydrofuran          | 5.013  | 42    | 132567   | 101.298  | ug/l       | 97       |
| 30) Chloroform               | 5.093  | 83    | 96163    | 18.726   | ug/l       | 100      |
| 31) Cyclohexane              | 5.464  | 56    | 86590    | 19.584   | ug/l       | 96       |
| 32) 1,1,1-Trichloroethane    | 5.385  | 97    | 82681    | 18.505   | ug/l       | 97       |
| 36) 1,1-Dichloropropene      | 5.690  | 75    | 72072    | 19.326   | ug/l       | 96       |
| 37) Ethyl Acetate            | 4.709  | 43    | 78764    | 20.249   | ug/l       | 99       |
| 38) Carbon Tetrachloride     | 5.672  | 117   | 65066    | 18.418   | ug/l       | 97       |
| 39) Methylcyclohexane        | 7.379  | 83    | 86079    | 19.608   | ug/l       | 91       |
| 40) Benzene                  | 6.038  | 78    | 202465   | 19.407   | ug/l       | 97       |

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 Sample : VX0518MBS01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0518MBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/19/2023  
 Supervised By : Mahesh Dadoda 05/19/2023

Quant Time: May 19 05:46:51 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 11 13:57:54 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 45348    | 19.635  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 88634    | 19.750  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 129750   | 19.129  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 50330    | 19.026  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 54333    | 19.664  | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 36815    | 19.465  | ug/l   | 93       |
| 47) Bromodichloromethane      | 7.818  | 83   | 66649    | 18.231  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 65877    | 19.680  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.720  | 88   | 25236    | 352.198 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 407744   | 104.344 | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 127162   | 19.309  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 72125    | 18.160  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 80019    | 18.804  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 51175    | 19.785  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 81274    | 19.403  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 92653    | 19.760  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 221646   | 104.015 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 305902   | 103.947 | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.519  | 129  | 43282    | 17.554  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 52886    | 19.406  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 41469    | 19.993  | ug/l   | 92       |
| 65) Chlorobenzene             | 10.080 | 112  | 131179   | 19.505  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 45054    | 18.946  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 249902   | 19.758  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 185064   | 39.583  | ug/l   | 95       |
| 69) o-Xylene                  | 10.640 | 106  | 90917    | 19.597  | ug/l   | 93       |
| 70) Styrene                   | 10.653 | 104  | 148367   | 19.843  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 25704    | 16.428  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.964 | 105  | 244139   | 19.489  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.842 | 43   | 107991   | 18.489  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 77895    | 19.169  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 74958m   | 20.614  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 51938    | 18.267  | ug/l   | 88       |
| 78) n-propylbenzene           | 11.305 | 91   | 290748   | 19.744  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 174796   | 18.959  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 206473   | 19.392  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 18047    | 15.995  | ug/l # | 77       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 203850   | 19.199  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 194883   | 18.830  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 206959   | 19.359  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 253876   | 19.537  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 210300   | 19.686  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 100801   | 18.662  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 102810   | 18.850  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 188054   | 19.351  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.536 | 117  | 26926    | 16.629  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 100580   | 19.016  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 15978    | 17.657  | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 61505    | 19.312  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 24017    | 18.999  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 214361   | 19.654  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 60747    | 19.394  | ug/l   | 99       |

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Data File : VX035740.D  
Acq On : 18 May 2023 14:22  
Operator : JC/MD  
Sample : VX0518MBSD01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0518MBSD01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 05/19/2023  
Supervised By :Mahesh Dadoda 05/19/2023

Quant Time: May 19 05:46:51 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 11 13:57:54 2023  
Response via : Initial Calibration

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

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

