

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071524\  
 Data File : VX042319.D  
 Acq On : 15 Jul 2024 11:35  
 Operator : JC/MD  
 Sample : VX0715MBS01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0715MBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/16/2024  
 Supervised By : Mahesh Dadoda 07/16/2024

Quant Time: Jul 16 05:38:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061824W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 21 23:51:58 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 160981     | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 230068     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 208391     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 114741     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 90348      | 48.671   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 97.340%  |        |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 88158      | 54.003   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 108.000% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 285653     | 49.810   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 99.620%  |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 111278     | 52.638   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 105.280% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.167          | 85   | 23996      | 19.566   | ug/l   | 93       |
| 3) Chloromethane             | 1.307          | 50   | 24664      | 16.030   | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 24634      | 15.972   | ug/l   | 96       |
| 5) Bromomethane              | 1.599          | 94   | 14050      | 18.449   | ug/l   | 100      |
| 6) Chloroethane              | 1.666          | 64   | 13777      | 19.617   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.874          | 101  | 39420      | 19.509   | ug/l   | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 15335      | 16.167   | ug/l   | 86       |
| 9) 1,1,2-Trichlorotrifluo... | 2.319          | 101  | 25950      | 18.643   | ug/l # | 84       |
| 10) Methyl Iodide            | 2.441          | 142  | 24610      | 14.225   | ug/l # | 86       |
| 11) Tert butyl alcohol       | 2.989          | 59   | 33184      | 94.193   | ug/l # | 94       |
| 12) 1,1-Dichloroethene       | 2.313          | 96   | 24874      | 17.915   | ug/l # | 78       |
| 13) Acrolein                 | 2.239          | 56   | 20059      | 50.794   | ug/l   | 94       |
| 14) Allyl chloride           | 2.660          | 41   | 37634      | 17.091   | ug/l   | 88       |
| 15) Acrylonitrile            | 3.069          | 53   | 83922      | 91.200   | ug/l   | 99       |
| 16) Acetone                  | 2.392          | 43   | 70377      | 86.341   | ug/l # | 89       |
| 17) Carbon Disulfide         | 2.502          | 76   | 49107      | 17.346   | ug/l   | 96       |
| 18) Methyl Acetate           | 2.709          | 43   | 39623      | 17.820   | ug/l   | 91       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 84146      | 18.344   | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 29093      | 16.300   | ug/l   | 85       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 24888      | 17.661   | ug/l   | 86       |
| 22) Diisopropyl ether        | 3.770          | 45   | 80959      | 17.394   | ug/l   | 86       |
| 23) Vinyl Acetate            | 3.727          | 43   | 349678     | 87.968   | ug/l # | 92       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 46670      | 17.905   | ug/l   | 96       |
| 25) 2-Butanone               | 4.568          | 43   | 112558     | 88.760   | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 34427      | 18.239   | ug/l   | 91       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 31916      | 18.083   | ug/l   | 83       |
| 28) Bromochloromethane       | 4.904          | 49   | 17771      | 15.918   | ug/l # | 65       |
| 29) Tetrahydrofuran          | 5.019          | 42   | 73528      | 89.779   | ug/l   | 92       |
| 30) Chloroform               | 5.093          | 83   | 49115      | 18.086   | ug/l   | 97       |
| 31) Cyclohexane              | 5.465          | 56   | 36724      | 16.916   | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 42491      | 18.726   | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 29764      | 17.170   | ug/l   | 91       |
| 37) Ethyl Acetate            | 4.727          | 43   | 41338      | 18.306   | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 37210      | 19.427   | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.379          | 83   | 39197      | 17.879   | ug/l   | 91       |
| 40) Benzene                  | 6.038          | 78   | 107337     | 18.359   | ug/l   | 96       |

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0715MBS01

Manual Integrations  
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Reviewed By : John Carlone 07/16/2024  
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Quant Time: Jul 16 05:38:07 2024  
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 Quant Title : SW846 8260  
 QLast Update : Fri Jun 21 23:51:58 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 22418    | 18.314  | ug/l   | 90       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 34492    | 18.315  | ug/l   | 91       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 60425    | 17.433  | ug/l # | 93       |
| 44) Trichloroethene           | 7.129  | 130  | 29421    | 18.774  | ug/l   | 87       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 26188    | 18.217  | ug/l   | 96       |
| 46) Dibromomethane            | 7.586  | 93   | 19464    | 18.582  | ug/l # | 74       |
| 47) Bromodichloromethane      | 7.824  | 83   | 35097    | 18.250  | ug/l # | 93       |
| 48) Methyl methacrylate       | 7.696  | 41   | 29324    | 17.727  | ug/l # | 85       |
| 49) 1,4-Dioxane               | 7.671  | 88   | 13712    | 326.959 | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 216184   | 90.543  | ug/l   | 93       |
| 52) Toluene                   | 8.720  | 92   | 69698    | 18.721  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 34613    | 17.887  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 38278    | 18.181  | ug/l # | 85       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 28847    | 18.600  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 44099    | 18.277  | ug/l # | 85       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 46273    | 18.467  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.245  | 63   | 114778   | 102.080 | ug/l   | 92       |
| 59) 2-Hexanone                | 9.433  | 43   | 168656   | 92.226  | ug/l   | 91       |
| 60) Dibromochloromethane      | 9.525  | 129  | 32248    | 19.142  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 30798    | 19.148  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.275  | 164  | 29822    | 19.655  | ug/l # | 88       |
| 65) Chlorobenzene             | 10.080 | 112  | 81322    | 18.764  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 28795    | 18.977  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 126823   | 18.672  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 102904   | 37.532  | ug/l   | 91       |
| 69) o-Xylene                  | 10.640 | 106  | 51618    | 19.016  | ug/l   | 91       |
| 70) Styrene                   | 10.659 | 104  | 86593    | 19.024  | ug/l   | 93       |
| 71) Bromoform                 | 10.799 | 173  | 26410    | 19.076  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.964 | 105  | 132153   | 18.942  | ug/l   | 97       |
| 74) N-amyl acetate            | 10.842 | 43   | 52813    | 17.042  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 46307    | 17.851  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 40906m   | 19.638  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 38929    | 18.735  | ug/l   | 75       |
| 78) n-propylbenzene           | 11.305 | 91   | 139486   | 18.426  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 88979    | 18.244  | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 108927   | 18.745  | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 11812    | 16.104  | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 99532    | 18.461  | ug/l   | 91       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 119481   | 18.738  | ug/l   | 89       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 110799   | 19.005  | ug/l   | 93       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 135112   | 18.734  | ug/l   | 95       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 118746   | 18.848  | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 67031    | 18.353  | ug/l   | 94       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 67024    | 17.886  | ug/l   | 96       |
| 89) n-Butylbenzene            | 12.335 | 91   | 85316    | 17.592  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.536 | 117  | 18969    | 17.685  | ug/l # | 58       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 69680    | 18.645  | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 9230     | 17.954  | ug/l # | 43       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 43430    | 17.740  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 22686    | 18.325  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 133697   | 16.757  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 46244    | 17.910  | ug/l   | 95       |

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Instrument :  
MSVOA\_X  
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Manual Integrations  
APPROVED

Reviewed By :John Carlone 07/16/2024  
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Quant Time: Jul 16 05:38:07 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061824W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 21 23:51:58 2024  
Response via : Initial Calibration

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

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

