

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072721\  
 Data File : VX023466.D  
 Acq On : 27 Jul 2021 10:30  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 7/28/2021 8:57:51 PM

Quant Time: Jul 28 00:49:40 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 06:05:38 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 5.556  | 168   | 215179   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769  | 114   | 335346   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 304350   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 139843   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.964  | 65    | 137314   | 51.157   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | = 102.320% |          |
| 35) Dibromofluoromethane     | 5.391  | 113   | 109845   | 52.389   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 104.780% |          |
| 50) Toluene-d8               | 8.653  | 98    | 402617   | 52.265   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | = 104.520% |          |
| 62) 4-Bromofluorobenzene     | 11.085 | 95    | 141342   | 53.958   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | = 107.920% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.172  | 85    | 101333   | 51.187   | ug/l       | 99       |
| 3) Chloromethane             | 1.294  | 50    | 113121   | 49.053   | ug/l       | 100      |
| 4) Vinyl Chloride            | 1.374  | 62    | 115464   | 49.463   | ug/l       | 99       |
| 5) Bromomethane              | 1.599  | 94    | 68486    | 49.417   | ug/l       | 97       |
| 6) Chloroethane              | 1.678  | 64    | 72732    | 50.767   | ug/l       | 99       |
| 7) Trichlorofluoromethane    | 1.880  | 101   | 189532   | 50.395   | ug/l       | 99       |
| 8) Diethyl Ether             | 2.136  | 74    | 70352    | 50.681   | ug/l       | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325  | 101   | 109359   | 51.325   | ug/l       | 97       |
| 10) Methyl Iodide            | 2.453  | 142   | 145008   | 54.320   | ug/l       | 96       |
| 11) Tert butyl alcohol       | 2.977  | 59    | 140073   | 228.439  | ug/l       | 98       |
| 12) 1,1-Dichloroethene       | 2.319  | 96    | 102895   | 48.666   | ug/l       | 99       |
| 13) Acrolein                 | 2.239  | 56    | 79763    | 255.851  | ug/l       | 98       |
| 14) Allyl chloride           | 2.666  | 41    | 188165   | 48.951   | ug/l       | 95       |
| 15) Acrylonitrile            | 3.068  | 53    | 351184   | 253.629  | ug/l       | 98       |
| 16) Acetone                  | 2.386  | 43    | 333428   | 253.230  | ug/l       | 93       |
| 17) Carbon Disulfide         | 2.514  | 76    | 243252   | 46.658   | ug/l       | 98       |
| 18) Methyl Acetate           | 2.709  | 43    | 156716   | 50.068   | ug/l       | 93       |
| 19) Methyl tert-butyl Ether  | 3.123  | 73    | 377907   | 51.406   | ug/l       | 98       |
| 20) Methylene Chloride       | 2.794  | 84    | 121316   | 47.367   | ug/l       | 90       |
| 21) trans-1,2-Dichloroethene | 3.093  | 96    | 110437   | 49.170   | ug/l       | 96       |
| 22) Diisopropyl ether        | 3.769  | 45    | 393288   | 51.830   | ug/l       | 97       |
| 23) Vinyl Acetate            | 3.727  | 43    | 1763530  | 263.278  | ug/l       | 94       |
| 24) 1,1-Dichloroethane       | 3.611  | 63    | 209399   | 50.208   | ug/l       | 97       |
| 25) 2-Butanone               | 4.568  | 43    | 513033   | 250.978  | ug/l       | 92       |
| 26) 2,2-Dichloropropane      | 4.483  | 77    | 174341   | 51.111   | ug/l       | 99       |
| 27) cis-1,2-Dichloroethene   | 4.495  | 96    | 132398   | 50.758   | ug/l       | 99       |
| 28) Bromochloromethane       | 4.903  | 49    | 100361   | 51.562   | ug/l       | 94       |
| 29) Tetrahydrofuran          | 5.013  | 42    | 329589   | 245.984  | ug/l       | 89       |
| 30) Chloroform               | 5.098  | 83    | 215332   | 50.444   | ug/l       | 99       |
| 31) Cyclohexane              | 5.476  | 56    | 189845   | 47.745   | ug/l       | 98       |
| 32) 1,1,1-Trichloroethane    | 5.391  | 97    | 188335   | 51.624   | ug/l       | 98       |
| 36) 1,1-Dichloropropene      | 5.696  | 75    | 158467   | 52.238   | ug/l       | 99       |
| 37) Ethyl Acetate            | 4.721  | 43    | 195529   | 51.121   | ug/l       | # 94     |
| 38) Carbon Tetrachloride     | 5.684  | 117   | 163796   | 53.093   | ug/l       | 99       |
| 39) Methylcyclohexane        | 7.385  | 83    | 203241   | 53.051   | ug/l       | 97       |
| 40) Benzene                  | 6.043  | 78    | 463991   | 51.587   | ug/l       | 99       |

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 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 7/28/2021 8:57:51 PM

Quant Time: Jul 28 00:49:40 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 06:05:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 107262   | 53.111  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 178294   | 53.612  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 311088   | 52.488  | ug/l   | 93       |
| 44) Trichloroethene           | 7.129  | 130  | 129758   | 52.513  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 7.433  | 63   | 124537   | 52.325  | ug/l   | 100      |
| 46) Dibromomethane            | 7.586  | 93   | 88447    | 54.786  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.824  | 83   | 161799   | 55.629  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.696  | 41   | 151951   | 55.357  | ug/l   | 88       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 56470    | 966.135 | ug/l # | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 982966   | 271.153 | ug/l   | 91       |
| 52) Toluene                   | 8.720  | 92   | 299845   | 53.810  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 189277   | 51.262  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 199747   | 55.090  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 128823   | 57.091  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 204347   | 56.497  | ug/l # | 83       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 213299   | 55.631  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 509365   | 265.838 | ug/l   | 97       |
| 59) 2-Hexanone                | 9.433  | 43   | 747244   | 271.445 | ug/l   | 88       |
| 60) Dibromochloromethane      | 9.525  | 129  | 130052   | 51.922  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 136373   | 56.647  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 127996   | 52.842  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.085 | 112  | 325405   | 52.238  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 121336   | 50.677  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 572612   | 53.001  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.305 | 106  | 436559   | 105.068 | ug/l   | 98       |
| 69) o-Xylene                  | 10.646 | 106  | 213175   | 51.749  | ug/l   | 98       |
| 70) Styrene                   | 10.658 | 104  | 349989   | 53.623  | ug/l   | 98       |
| 71) Bromoform                 | 10.805 | 173  | 86261    | 46.262  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.963 | 105  | 566705   | 53.705  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.847 | 43   | 254254   | 52.814  | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 176022   | 51.208  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 164767m  | 53.542  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 136059   | 53.451  | ug/l   | 95       |
| 78) n-propylbenzene           | 11.305 | 91   | 644414   | 53.959  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 375945   | 52.680  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 465159   | 54.129  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75   | 60209    | 52.609  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 435532   | 53.946  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.719 | 119  | 446967   | 53.024  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 460507   | 53.873  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.896 | 105  | 585866   | 53.603  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 485626   | 55.021  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 247219   | 52.496  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 246382   | 51.561  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.335 | 91   | 435303   | 54.481  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.542 | 117  | 75613    | 47.916  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 240885   | 52.827  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 37823    | 45.552  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 155455   | 54.262  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 68397    | 53.199  | ug/l   | 99       |
| 95) Naphthalene               | 13.780 | 128  | 533899   | 54.203  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 155559   | 53.771  | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

MMDadoda  
7/28/2021 8:57:51 PM

Quant Time: Jul 28 00:49:40 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072221W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 23 06:05:38 2021  
Response via : Initial Calibration

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

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

