

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111023\  
 Data File : VX038767.D  
 Acq On : 11 Nov 2023 08:12  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 56 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/13/2023  
 Supervised By : Mahesh Dadoda 11/13/2023

Quant Time: Nov 13 01:09:33 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110723W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 08 03:19:07 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 302919     | 50.000  | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 469731     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 455455     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 265480     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 173809     | 46.088  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 92.180% |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 158262     | 46.780  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 93.560% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 557323     | 46.036  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 92.080% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 221876     | 47.271  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 94.540% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 149740     | 47.600  | ug/l   | 99       |
| 3) Chloromethane             | 1.294          | 50   | 117024     | 43.039  | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 132273     | 45.697  | ug/l   | 100      |
| 5) Bromomethane              | 1.599          | 94   | 106426     | 47.636  | ug/l   | 98       |
| 6) Chloroethane              | 1.685          | 64   | 83844      | 45.747  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 250468     | 50.191  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 81322      | 47.471  | ug/l   | 72       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 141871     | 48.082  | ug/l   | 90       |
| 10) Methyl Iodide            | 2.453          | 142  | 197289     | 54.140  | ug/l   | 91       |
| 11) Tert butyl alcohol       | 2.959          | 59   | 191881     | 248.892 | ug/l # | 93       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 135166     | 47.813  | ug/l # | 79       |
| 13) Acrolein                 | 2.233          | 56   | 126910     | 217.195 | ug/l   | 99       |
| 14) Allyl chloride           | 2.666          | 41   | 176540     | 43.599  | ug/l # | 94       |
| 15) Acrylonitrile            | 3.062          | 53   | 394793     | 242.651 | ug/l   | 99       |
| 16) Acetone                  | 2.373          | 43   | 335709     | 211.370 | ug/l   | 91       |
| 17) Carbon Disulfide         | 2.514          | 76   | 325991     | 43.398  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 344939     | 50.977  | ug/l # | 86       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 441992     | 48.891  | ug/l   | 96       |
| 20) Methylene Chloride       | 2.788          | 84   | 149474     | 46.686  | ug/l # | 84       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 147848     | 48.038  | ug/l # | 81       |
| 22) Diisopropyl ether        | 3.757          | 45   | 362994     | 47.565  | ug/l # | 86       |
| 23) Vinyl Acetate            | 3.721          | 43   | 1143309    | 211.071 | ug/l # | 91       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 238678     | 47.272  | ug/l   | 98       |
| 25) 2-Butanone               | 4.550          | 43   | 528280     | 229.608 | ug/l # | 84       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 147921     | 33.554  | ug/l   | 91       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 173326     | 48.769  | ug/l   | 80       |
| 28) Bromochloromethane       | 4.897          | 49   | 104083     | 45.871  | ug/l # | 51       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 339181     | 236.943 | ug/l # | 78       |
| 30) Chloroform               | 5.092          | 83   | 276106     | 46.608  | ug/l   | 95       |
| 31) Cyclohexane              | 5.476          | 56   | 189487     | 45.399  | ug/l # | 84       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 254051     | 48.730  | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 192444     | 45.793  | ug/l   | 94       |
| 37) Ethyl Acetate            | 4.708          | 43   | 198144     | 46.180  | ug/l # | 93       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 226451     | 48.201  | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.379          | 83   | 234357     | 44.603  | ug/l   | 90       |
| 40) Benzene                  | 6.037          | 78   | 561085     | 46.354  | ug/l   | 98       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 56 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Nov 13 01:09:33 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110723W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 08 03:19:07 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/13/2023  
 Supervised By : Mahesh Dadoda 11/13/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 102865   | 47.057  | ug/l # | 85       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 209025   | 47.859  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 304893   | 46.221  | ug/l # | 90       |
| 44) Trichloroethene           | 7.129  | 130  | 179388   | 47.631  | ug/l   | 87       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 136981   | 46.813  | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 117089   | 47.848  | ug/l # | 85       |
| 47) Bromodichloromethane      | 7.818  | 83   | 216973   | 47.146  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.690  | 41   | 150516   | 47.347  | ug/l # | 84       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 68466    | 946.053 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 1036828  | 241.245 | ug/l   | 91       |
| 52) Toluene                   | 8.720  | 92   | 380175   | 47.945  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 216423   | 46.191  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 228566   | 46.210  | ug/l # | 84       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 165574   | 49.213  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 235852   | 50.104  | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 253353   | 48.347  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 541767   | 234.085 | ug/l # | 89       |
| 59) 2-Hexanone                | 9.427  | 43   | 828202   | 238.158 | ug/l   | 89       |
| 60) Dibromochloromethane      | 9.518  | 129  | 188182   | 49.826  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 184617   | 48.825  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 169858   | 49.823  | ug/l   | 92       |
| 65) Chlorobenzene             | 10.079 | 112  | 447269   | 48.241  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 172306   | 49.436  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 749058   | 47.762  | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.299 | 106  | 596952   | 95.905  | ug/l   | 94       |
| 69) o-Xylene                  | 10.640 | 106  | 293240   | 48.445  | ug/l   | 96       |
| 70) Styrene                   | 10.652 | 104  | 495289   | 49.579  | ug/l   | 95       |
| 71) Bromoform                 | 10.799 | 173  | 152972   | 49.725  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 773169   | 47.471  | ug/l   | 97       |
| 74) N-amyl acetate            | 10.841 | 43   | 255539   | 45.156  | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 265714   | 47.191  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 246744m  | 46.929  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 210194   | 47.023  | ug/l   | 81       |
| 78) n-propylbenzene           | 11.305 | 91   | 882129   | 46.543  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 529075   | 46.626  | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 671131   | 47.878  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 67481    | 40.981  | ug/l   | 85       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 629953   | 47.521  | ug/l   | 93       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 667816   | 47.017  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 673276   | 48.427  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 831247   | 46.902  | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 720259   | 47.706  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 401533   | 46.984  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 407263   | 46.363  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 611188   | 45.491  | ug/l   | 96       |
| 90) Hexachloroethane          | 12.536 | 117  | 123674   | 48.360  | ug/l   | 76       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 395612   | 47.400  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 68055    | 48.090  | ug/l   | 65       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 281648   | 47.181  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 117347   | 45.556  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 880862   | 48.918  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 274877   | 46.716  | ug/l   | 97       |

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ALS Vial : 56 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/13/2023  
Supervised By :Mahesh Dadoda 11/13/2023

Quant Time: Nov 13 01:09:33 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110723W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 08 03:19:07 2023  
Response via : Initial Calibration

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

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

