

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011623\  
 Data File : VX033742.D  
 Acq On : 16 Jan 2023 11:32  
 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

Reviewed By : John Carlone 01/17/2023  
 Supervised By : Mahesh Dadoda 01/17/2023

Quant Time: Jan 17 01:51:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011123W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 11 14:48:42 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 155644              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 227678              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 223305              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 127445              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 86536               | 52.805  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 105.600% |         |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 69430               | 49.110  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 98.220%  |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 263281              | 51.112  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 102.220% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 106142              | 55.499  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 111.000% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.167          | 85   | 51877               | 42.177  | ug/l   | 99       |
| 3) Chloromethane             | 1.295          | 50   | 61048               | 44.934  | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 65529               | 49.700  | ug/l   | 99       |
| 5) Bromomethane              | 1.618          | 94   | 48348               | 63.820  | ug/l   | 97       |
| 6) Chloroethane              | 1.691          | 64   | 48107               | 59.016  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 114915              | 53.743  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.130          | 74   | 47180               | 67.389  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 64811               | 52.559  | ug/l   | 99       |
| 10) Methyl Iodide            | 2.453          | 142  | 89235               | 51.616  | ug/l   | 100      |
| 11) Tert butyl alcohol       | 3.081          | 59   | 70602m              | 247.997 | ug/l   |          |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 59819               | 47.234  | ug/l   | 99       |
| 13) Acrolein                 | 2.239          | 56   | 74877               | 285.060 | ug/l   | 99       |
| 14) Allyl chloride           | 2.666          | 41   | 116674              | 48.845  | ug/l   | 99       |
| 15) Acrylonitrile            | 3.069          | 53   | 179690              | 239.830 | ug/l   | 98       |
| 16) Acetone                  | 2.398          | 43   | 173350              | 293.210 | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.514          | 76   | 151758              | 47.446  | ug/l   | 98       |
| 18) Methyl Acetate           | 2.703          | 43   | 112547              | 49.210  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 236256              | 53.712  | ug/l   | 100      |
| 20) Methylene Chloride       | 2.788          | 84   | 70503               | 49.451  | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 69587               | 47.002  | ug/l   | 94       |
| 22) Diisopropyl ether        | 3.751          | 45   | 257727              | 53.627  | ug/l   | 88       |
| 23) Vinyl Acetate            | 3.721          | 43   | 1024713             | 283.235 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 127445              | 48.469  | ug/l   | 100      |
| 25) 2-Butanone               | 4.562          | 43   | 270715              | 252.825 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 101967              | 54.138  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 81933               | 48.136  | ug/l   | 96       |
| 28) Bromochloromethane       | 4.891          | 49   | 57892               | 48.336  | ug/l   | 96       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 174074              | 257.940 | ug/l   | 99       |
| 30) Chloroform               | 5.087          | 83   | 140229              | 52.070  | ug/l   | 97       |
| 31) Cyclohexane              | 5.465          | 56   | 120489              | 49.965  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 123463              | 53.695  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 102875              | 49.859  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.709          | 43   | 111912              | 57.258  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 111441              | 52.148  | ug/l   | 95       |
| 39) Methylcyclohexane        | 7.379          | 83   | 126308              | 49.571  | ug/l   | 99       |
| 40) Benzene                  | 6.031          | 78   | 288661              | 47.998  | 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

Reviewed By : John Carlone 01/17/2023  
 Supervised By : Mahesh Dadoda 01/17/2023

Quant Time: Jan 17 01:51:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011123W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 11 14:48:42 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 63878    | 56.180   | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 119111   | 55.886   | ug/l   | 96       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 178674   | 54.853   | ug/l   | 98       |
| 44) Trichloroethene           | 7.123  | 130  | 81455    | 48.434   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 75949    | 50.412   | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 55096    | 52.357   | ug/l   | 94       |
| 47) Bromodichloromethane      | 7.818  | 83   | 111770   | 55.114   | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.690  | 41   | 92811    | 56.563   | ug/l   | 95       |
| 49) 1,4-Dioxane               | 7.739  | 88   | 36540    | 1006.750 | ug/l # | 100      |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 576231   | 288.046  | ug/l   | 97       |
| 52) Toluene                   | 8.714  | 92   | 203732   | 52.457   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 123774   | 61.029   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 128894   | 56.719   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 83186    | 54.110   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 128039   | 59.180   | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 138703   | 55.641   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 298185   | 279.848  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.427  | 43   | 429951   | 308.791  | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.519  | 129  | 95493    | 59.914   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 90384    | 58.910   | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 77513    | 49.281   | ug/l   | 98       |
| 65) Chlorobenzene             | 10.080 | 112  | 227216   | 49.151   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 87011    | 51.144   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 402129   | 50.664   | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.299 | 106  | 321449   | 103.542  | ug/l   | 98       |
| 69) o-Xylene                  | 10.640 | 106  | 158102   | 51.352   | ug/l   | 97       |
| 70) Styrene                   | 10.653 | 104  | 269378   | 53.799   | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 74471    | 52.238   | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.964 | 105  | 423074   | 50.472   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 170271   | 50.878   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 126919   | 51.890   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 118579m  | 50.640   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 112213   | 49.569   | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 487639   | 46.891   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 288242   | 51.389   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 357693   | 46.643   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 37568    | 49.862   | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 332874   | 51.881   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 365828   | 48.044   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 355800   | 49.047   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 452179   | 49.649   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 392160   | 50.294   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 210283   | 48.832   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 210157   | 47.907   | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.329 | 91   | 331117   | 51.908   | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 63261    | 49.322   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 202767   | 48.796   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 26525    | 51.004   | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 145604   | 52.018   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 70601    | 51.491   | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 415560   | 51.604   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 140700   | 50.235   | 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

Reviewed By :John Carlone 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023

Quant Time: Jan 17 01:51:06 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011123W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 11 14:48:42 2023  
Response via : Initial Calibration

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

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

