

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011923\  
 Data File : VX033787.D  
 Acq On : 19 Jan 2023 09:40  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jan 20 05:17:28 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

### Manual Integrations APPROVED

Reviewed By : John Carlone 01/20/2023  
 Supervised By : Mahesh Dadoda 01/20/2023

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 192466     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 273676     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 249313     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 130975     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 94738      | 46.750   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 93.500%  |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 85509      | 50.318   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 100.640% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 306968     | 49.577   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 99.160%  |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 117074     | 50.927   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 101.860% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 69359      | 45.602   | ug/l   | 100      |
| 3) Chloromethane             | 1.294          | 50   | 80725      | 48.050   | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 79957      | 49.040   | ug/l   | 97       |
| 5) Bromomethane              | 1.617          | 94   | 46501      | 49.639   | ug/l   | 99       |
| 6) Chloroethane              | 1.691          | 64   | 46132      | 45.766   | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 120059     | 45.407   | ug/l   | 99       |
| 8) Diethyl Ether             | 2.130          | 74   | 50557      | 58.397   | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 76882      | 50.449   | ug/l   | 93       |
| 10) Methyl Iodide            | 2.453          | 142  | 85454      | 39.973   | ug/l   | 93       |
| 11) Tert butyl alcohol       | 3.020          | 59   | 85945m     | 244.134  | ug/l   |          |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 74267      | 47.423   | ug/l   | 88       |
| 13) Acrolein                 | 2.239          | 56   | 61996      | 190.867  | ug/l   | 99       |
| 14) Allyl chloride           | 2.666          | 41   | 136590     | 46.243   | ug/l   | 89       |
| 15) Acrylonitrile            | 3.062          | 53   | 221895     | 239.500  | ug/l   | 100      |
| 16) Acetone                  | 2.398          | 43   | 214513     | 293.428  | ug/l   | 94       |
| 17) Carbon Disulfide         | 2.514          | 76   | 179899     | 45.559   | ug/l   | 98       |
| 18) Methyl Acetate           | 2.703          | 43   | 135920     | 48.060   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 258803     | 47.581   | ug/l   | 100      |
| 20) Methylene Chloride       | 2.788          | 84   | 86888      | 49.275   | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 80308      | 43.866   | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.757          | 45   | 273584     | 46.035   | ug/l   | 91       |
| 23) Vinyl Acetate            | 3.715          | 43   | 1062238    | 237.435  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 145040     | 44.608   | ug/l   | 98       |
| 25) 2-Butanone               | 4.562          | 43   | 313303     | 236.620  | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 104100     | 44.697   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 96131      | 45.672   | ug/l   | 98       |
| 28) Bromochloromethane       | 4.891          | 49   | 69000      | 46.588   | ug/l   | 96       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 196184     | 235.086  | ug/l   | 99       |
| 30) Chloroform               | 5.086          | 83   | 149417     | 44.867   | ug/l   | 99       |
| 31) Cyclohexane              | 5.470          | 56   | 132521     | 44.441   | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 128745     | 45.280   | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 109140     | 44.005   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.708          | 43   | 120689     | 51.059   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 115548     | 44.982   | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.379          | 83   | 142527     | 46.534   | ug/l   | 98       |
| 40) Benzene                  | 6.031          | 78   | 331534     | 45.861   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011923\  
 Data File : VX033787.D  
 Acq On : 19 Jan 2023 09:40  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jan 20 05:17:28 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

### Manual Integrations APPROVED

Reviewed By : John Carlone 01/20/2023  
 Supervised By : Mahesh Dadoda 01/20/2023

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 68969    | 50.462   | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 114706   | 44.774   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 186825   | 47.715   | ug/l   | 98       |
| 44) Trichloroethene           | 7.123  | 130  | 96547    | 47.759   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 85597    | 47.267   | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 59775    | 47.256   | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.818  | 83   | 115753   | 47.484   | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.689  | 41   | 96820    | 49.089   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.726  | 88   | 43941    | 1007.180 | ug/l # | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 584334   | 243.003  | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 216148   | 46.300   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 123291   | 50.573   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 136711   | 50.047   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 89272    | 48.309   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 132990   | 51.137   | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 148131   | 49.436   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 313014   | 244.390  | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 436452   | 260.776  | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.518  | 129  | 98821    | 51.581   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 94725    | 51.363   | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.268  | 164  | 86789    | 49.426   | ug/l   | 99       |
| 65) Chlorobenzene             | 10.079 | 112  | 243570   | 47.192   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 93160    | 49.046   | ug/l   | 100      |
| 67) Ethyl Benzene             | 10.195 | 91   | 425800   | 48.050   | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 336860   | 97.187   | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 164793   | 47.942   | ug/l   | 98       |
| 70) Styrene                   | 10.652 | 104  | 275542   | 49.289   | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 78199    | 49.130   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 431905   | 50.119   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 171600   | 49.894   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 132885   | 52.933   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 122958m  | 51.095   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 114051   | 48.997   | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 489999   | 45.848   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 290481   | 50.331   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 359059   | 45.559   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 39233    | 50.668   | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 333129   | 50.438   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 368072   | 47.036   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 359240   | 48.187   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 448726   | 47.942   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 391446   | 48.849   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 210311   | 47.522   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 210067   | 46.596   | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 321892   | 49.102   | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 62683    | 47.554   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 205477   | 48.115   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 27434    | 51.330   | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 145861   | 50.706   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 67911    | 48.194   | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 422836   | 51.092   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 144710   | 50.275   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011923\  
Data File : VX033787.D  
Acq On : 19 Jan 2023 09:40  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :John Carlone 01/20/2023  
Supervised By :Mahesh Dadoda 01/20/2023

Quant Time: Jan 20 05:17:28 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

