

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042523\  
 Data File : VX035274.D  
 Acq On : 25 Apr 2023 11:23  
 Operator : JC/MD  
 Sample : VSTDIC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

Quant Time: Apr 25 16:07:30 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 16:06:05 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 04/25/2023  
 Supervised By : Mahesh Dadoda 04/26/2023

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 298829     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 474655     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 425804     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 210062     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 73228      | 20.312   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 40.620%# |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 58700      | 20.149   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 40.300%# |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 226083     | 20.572   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 41.140%# |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 83870      | 20.287   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 40.580%# |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 61597      | 19.481   | ug/l   | 100      |
| 3) Chloromethane             | 1.294          | 50   | 53245      | 18.511   | ug/l   | 96       |
| 4) Vinyl Chloride            | 1.374          | 62   | 53676      | 18.605   | ug/l   | 99       |
| 5) Bromomethane              | 1.618          | 94   | 36722      | 19.151   | ug/l   | 96       |
| 6) Chloroethane              | 1.691          | 64   | 31615      | 18.737   | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.892          | 101  | 85921      | 19.045   | ug/l   | 100      |
| 8) Diethyl Ether             | 2.130          | 74   | 30492      | 18.537   | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 54878      | 18.212   | ug/l   | 95       |
| 10) Methyl Iodide            | 2.453          | 142  | 72670      | 19.109   | ug/l   | 98       |
| 11) Tert butyl alcohol       | 3.014          | 59   | 59569      | 90.990   | ug/l # | 86       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 53021      | 18.268   | ug/l   | 97       |
| 13) Acrolein                 | 2.239          | 56   | 62393      | 96.650   | ug/l   | 100      |
| 14) Allyl chloride           | 2.666          | 41   | 92750      | 18.159   | ug/l   | 98       |
| 15) Acrylonitrile            | 3.069          | 53   | 152788     | 93.061   | ug/l   | 99       |
| 16) Acetone                  | 2.398          | 43   | 147476     | 94.186   | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.514          | 76   | 125912     | 18.097   | ug/l   | 99       |
| 18) Methyl Acetate           | 2.709          | 43   | 115721     | 19.112   | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 186263     | 18.706   | ug/l   | 98       |
| 20) Methylene Chloride       | 2.788          | 84   | 64106      | 17.855   | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 58324      | 18.503   | ug/l   | 93       |
| 22) Diisopropyl ether        | 3.757          | 45   | 193471     | 19.142   | ug/l   | 96       |
| 23) Vinyl Acetate            | 3.721          | 43   | 670568     | 96.520   | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 106932     | 18.782   | ug/l   | 99       |
| 25) 2-Butanone               | 4.568          | 43   | 218096     | 95.433   | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 79633      | 17.854   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 68040      | 18.363   | ug/l   | 95       |
| 28) Bromochloromethane       | 4.897          | 49   | 48299      | 19.908   | ug/l   | 89       |
| 29) Tetrahydrofuran          | 5.019          | 42   | 141260     | 96.442   | ug/l   | 97       |
| 30) Chloroform               | 5.093          | 83   | 110495     | 19.226   | ug/l   | 98       |
| 31) Cyclohexane              | 5.477          | 56   | 99455      | 19.447   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 92999      | 18.464   | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 82718      | 18.184   | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.715          | 43   | 79226      | 18.774   | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 81374      | 18.844   | ug/l   | 95       |
| 39) Methylcyclohexane        | 7.379          | 83   | 104337     | 18.843   | ug/l   | 99       |
| 40) Benzene                  | 6.037          | 78   | 249362     | 19.109   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042523\  
 Data File : VX035274.D  
 Acq On : 25 Apr 2023 11:23  
 Operator : JC/MD  
 Sample : VSTDICC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC020

Quant Time: Apr 25 16:07:30 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 16:06:05 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/25/2023  
 Supervised By : Mahesh Dadoda 04/26/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 46770    | 19.646  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 88042    | 18.923  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 132303   | 18.951  | ug/l   | 97       |
| 44) Trichloroethene           | 7.129  | 130  | 68049    | 18.930  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 61694    | 18.753  | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 41357    | 18.306  | ug/l   | 92       |
| 47) Bromodichloromethane      | 7.824  | 83   | 77048    | 18.510  | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.696  | 41   | 66083    | 19.297  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 7.726  | 88   | 32271    | 386.604 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 416455   | 97.098  | ug/l   | 97       |
| 52) Toluene                   | 8.720  | 92   | 157450   | 19.035  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 82322    | 18.937  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 94187    | 19.169  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 61868    | 18.762  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 94269    | 19.191  | ug/l   | 91       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 104791   | 18.580  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 255980   | 104.220 | ug/l   | 96       |
| 59) 2-Hexanone                | 9.433  | 43   | 315309   | 97.858  | ug/l   | 94       |
| 60) Dibromochloromethane      | 9.519  | 129  | 59891    | 18.957  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 65503    | 19.269  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 60622    | 18.594  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.079 | 112  | 169816   | 18.433  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 59068    | 18.423  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 296244   | 18.569  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 231355   | 37.845  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 113870   | 18.995  | ug/l   | 98       |
| 70) Styrene                   | 10.653 | 104  | 185350   | 19.070  | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 39926    | 17.903  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 297911   | 19.401  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 110337   | 19.121  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 90882    | 19.069  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 82675m   | 20.658  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 71542    | 18.743  | ug/l   | 93       |
| 78) n-propylbenzene           | 11.305 | 91   | 340862   | 19.328  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 205341   | 18.633  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 252395   | 19.494  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 21231    | 16.410  | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 235940   | 19.063  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 246385   | 18.966  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 253084   | 19.454  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 306317   | 19.223  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 261799   | 19.317  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 136011   | 18.750  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 137564   | 18.087  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.335 | 91   | 214518   | 18.750  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.536 | 117  | 38368    | 18.494  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 134361   | 18.520  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 17980    | 18.814  | ug/l   | 86       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 84165    | 18.456  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 36554    | 18.264  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 274172   | 19.529  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 84387    | 18.382  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042523\  
Data File : VX035274.D  
Acq On : 25 Apr 2023 11:23  
Operator : JC/MD  
Sample : VSTDICC020  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Manual Integrations  
APPROVED

Reviewed By :John Carlone 04/25/2023  
Supervised By :Mahesh Dadoda 04/26/2023

Quant Time: Apr 25 16:07:30 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 16:06:05 2023  
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042523\  
Data File : VX035274.D  
Acq On : 25 Apr 2023 11:23  
Operator : JC/MD  
Sample : VSTDICC020  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Manual Integrations  
APPROVED

Reviewed By : John Carlone 04/25/2023  
Supervised By : Mahesh Dadoda 04/26/2023

Quant Time: Apr 25 16:07:30 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 16:06:05 2023  
Response via : Initial Calibration

