

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061324\  
 Data File : VX041865.D  
 Acq On : 13 Jun 2024 19:35  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :John  
 Carlone

06/14/2024  
 Supervised By :Semsettin  
 Yesilyurt

Quant Time: Jun 14 01:53:21 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052924W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 30 07:36:24 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 194235   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 284373   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 260614   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 143192   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 94961    | 39.862   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 79.720%  |
| 35) Dibromofluoromethane    | 5.385  | 113   | 89603    | 45.573   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 91.140%  |
| 50) Toluene-d8              | 8.647  | 98    | 315616   | 45.942   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 91.880%# |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 119452   | 47.111   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 94.220%  |

|                              |       |     |         |         |        |      |
|------------------------------|-------|-----|---------|---------|--------|------|
| Target Compounds             |       |     |         |         | Qvalue |      |
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 67955   | 39.816  | ug/l   | 97   |
| 3) Chloromethane             | 1.301 | 50  | 84810   | 45.544  | ug/l   | 99   |
| 4) Vinyl Chloride            | 1.374 | 62  | 84432   | 44.045  | ug/l   | 98   |
| 5) Bromomethane              | 1.599 | 94  | 43460   | 32.553  | ug/l   | 98   |
| 6) Chloroethane              | 1.666 | 64  | 40917   | 35.314  | ug/l   | 97   |
| 7) Trichlorofluoromethane    | 1.868 | 101 | 126791  | 40.503  | ug/l   | 98   |
| 8) Diethyl Ether             | 2.136 | 74  | 52761   | 43.732  | ug/l   | 87   |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 78188   | 44.080  | ug/l   | 86   |
| 10) Methyl Iodide            | 2.441 | 142 | 109214  | 49.376  | ug/l   | # 86 |
| 11) Tert butyl alcohol       | 2.995 | 59  | 112744  | 267.536 | ug/l   | # 94 |
| 12) 1,1-Dichloroethene       | 2.306 | 96  | 79517   | 45.926  | ug/l   | 83   |
| 13) Acrolein                 | 2.239 | 56  | 93651   | 238.676 | ug/l   | 99   |
| 14) Allyl chloride           | 2.654 | 41  | 126596  | 44.444  | ug/l   | 89   |
| 15) Acrylonitrile            | 3.075 | 53  | 267726  | 259.050 | ug/l   | 99   |
| 16) Acetone                  | 2.392 | 43  | 219032  | 211.620 | ug/l   | # 88 |
| 17) Carbon Disulfide         | 2.502 | 76  | 145875  | 38.085  | ug/l   | 99   |
| 18) Methyl Acetate           | 2.709 | 43  | 134182  | 58.990  | ug/l   | 94   |
| 19) Methyl tert-butyl Ether  | 3.123 | 73  | 267373  | 46.156  | ug/l   | 99   |
| 20) Methylene Chloride       | 2.782 | 84  | 93436   | 43.828  | ug/l   | 89   |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 78834   | 43.884  | ug/l   | 86   |
| 22) Diisopropyl ether        | 3.770 | 45  | 266851  | 45.841  | ug/l   | # 82 |
| 23) Vinyl Acetate            | 3.727 | 43  | 1183805 | 226.363 | ug/l   | # 94 |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 149936  | 45.550  | ug/l   | 97   |
| 25) 2-Butanone               | 4.568 | 43  | 365807  | 247.070 | ug/l   | 95   |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 96373   | 35.685  | ug/l   | 91   |
| 27) cis-1,2-Dichloroethene   | 4.489 | 96  | 101350  | 47.197  | ug/l   | 85   |
| 28) Bromochloromethane       | 4.904 | 49  | 64984   | 45.837  | ug/l   | # 73 |
| 29) Tetrahydrofuran          | 5.013 | 42  | 241396  | 258.528 | ug/l   | 94   |
| 30) Chloroform               | 5.093 | 83  | 155772  | 45.074  | ug/l   | 100  |
| 31) Cyclohexane              | 5.464 | 56  | 119273  | 42.408  | ug/l   | 94   |
| 32) 1,1,1-Trichloroethane    | 5.379 | 97  | 132922  | 43.890  | ug/l   | 96   |
| 36) 1,1-Dichloropropene      | 5.690 | 75  | 99272   | 41.699  | ug/l   | 94   |
| 37) Ethyl Acetate            | 4.721 | 43  | 136268  | 45.355  | ug/l   | 97   |
| 38) Carbon Tetrachloride     | 5.672 | 117 | 113520  | 41.970  | ug/l   | 99   |
| 39) Methylcyclohexane        | 7.379 | 83  | 125298  | 42.840  | ug/l   | 92   |
| 40) Benzene                  | 6.037 | 78  | 341364  | 45.874  | ug/l   | 99   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061324\  
 Data File : VX041865.D  
 Acq On : 13 Jun 2024 19:35  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :John  
 Carlone

06/14/2024  
 Supervised By :Semsettin  
 Yesilyurt

Quant Time: Jun 14 01:53:21 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052924W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 30 07:36:24 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 75430    | 51.335   | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 109187   | 39.305   | ug/l   | 90       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 205787   | 45.366   | ug/l # | 94       |
| 44) Trichloroethene           | 7.123  | 130  | 92949    | 45.927   | ug/l   | 87       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 85294    | 48.208   | ug/l   | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 62001    | 45.689   | ug/l # | 76       |
| 47) Bromodichloromethane      | 7.824  | 83   | 113938   | 45.345   | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.696  | 41   | 103389   | 47.461   | ug/l   | 85       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 52536    | 1103.773 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 723614   | 246.002  | ug/l   | 94       |
| 52) Toluene                   | 8.720  | 92   | 223877   | 47.407   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 115443   | 46.675   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 128701   | 47.038   | ug/l # | 87       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 94760    | 49.778   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 151630   | 52.184   | ug/l # | 88       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 150032   | 47.471   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 368248   | 269.194  | ug/l   | 93       |
| 59) 2-Hexanone                | 9.433  | 43   | 563550   | 251.293  | ug/l   | 92       |
| 60) Dibromochloromethane      | 9.519  | 129  | 103020   | 48.783   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 97571    | 48.562   | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 87787    | 44.944   | ug/l   | 90       |
| 65) Chlorobenzene             | 10.079 | 112  | 260973   | 46.660   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 93684    | 48.271   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 418573   | 46.959   | ug/l   | 96       |
| 68) m/p-Xylenes               | 10.299 | 106  | 338784   | 95.540   | ug/l   | 91       |
| 69) o-Xylene                  | 10.640 | 106  | 170075   | 48.213   | ug/l   | 91       |
| 70) Styrene                   | 10.653 | 104  | 290650   | 49.884   | ug/l   | 94       |
| 71) Bromoform                 | 10.799 | 173  | 84985    | 50.281   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 432172   | 48.656   | ug/l   | 97       |
| 74) N-amyl acetate            | 10.842 | 43   | 191578   | 48.690   | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 153825   | 48.799   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 121481m  | 48.624   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 125995   | 48.056   | ug/l   | 78       |
| 78) n-propylbenzene           | 11.305 | 91   | 467359   | 47.918   | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 294559   | 46.987   | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 359362   | 48.457   | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 43698    | 47.670   | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 331175   | 46.436   | ug/l   | 92       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 388542   | 48.638   | ug/l   | 89       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 366360   | 48.758   | ug/l   | 92       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 450670   | 49.208   | ug/l   | 95       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 395690   | 49.263   | ug/l   | 93       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 221674   | 47.342   | ug/l   | 94       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 221716   | 45.936   | ug/l   | 95       |
| 89) n-Butylbenzene            | 12.329 | 91   | 299949   | 47.172   | ug/l   | 97       |
| 90) Hexachloroethane          | 12.536 | 117  | 65238    | 47.753   | ug/l   | 60       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 228360   | 47.880   | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 31551    | 49.546   | ug/l # | 45       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 149298   | 47.497   | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 72786    | 46.738   | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 484843   | 52.269   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 160355   | 49.568   | ug/l   | 96       |

06/14/2024

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061324\  
Data File : VX041865.D  
Acq On : 13 Jun 2024 19:35  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 14 01:53:21 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052924W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 30 07:36:24 2024  
Response via : Initial Calibration

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

Reviewed By :John  
Carlone

06/14/2024  
Supervised By :Semsettin  
Yesilyurt

06/14/2024

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

-----

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

