

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051622\  
 Data File : VX028746.D  
 Acq On : 16 May 2022 20:59  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2022  
 Supervised By :Mahesh Dadoda 05/30/2022

Quant Time: May 17 03:42:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 12 14:58:53 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 210504              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 362118              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 370835              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 172692              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 144656              | 50.132  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 100.260% |         |        |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 118275              | 49.852  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 99.700%  |         |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 438633              | 49.037  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 98.080%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 168252              | 50.360  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 100.720% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 138203              | 50.140  | ug/l   | 100      |
| 3) Chloromethane             | 1.288          | 50   | 127530              | 49.129  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 140008              | 50.049  | ug/l   | 99       |
| 5) Bromomethane              | 1.599          | 94   | 75184               | 36.515  | ug/l   | 99       |
| 6) Chloroethane              | 1.679          | 64   | 93164               | 53.001  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 261062              | 58.534  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 92213               | 56.743  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 115805              | 49.342  | ug/l   | 96       |
| 10) Methyl Iodide            | 2.453          | 142  | 110899              | 39.468  | ug/l   | 95       |
| 11) Tert butyl alcohol       | 2.965          | 59   | 166026              | 271.817 | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 112526              | 51.650  | ug/l   | 98       |
| 13) Acrolein                 | 2.233          | 56   | 122295              | 258.211 | ug/l   | 98       |
| 14) Allyl chloride           | 2.660          | 41   | 178417              | 51.061  | ug/l   | 91       |
| 15) Acrylonitrile            | 3.062          | 53   | 361797              | 260.238 | ug/l   | 98       |
| 16) Acetone                  | 2.380          | 43   | 311943              | 251.893 | ug/l   | 94       |
| 17) Carbon Disulfide         | 2.508          | 76   | 276063              | 48.882  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 164091              | 52.903  | ug/l   | 95       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 410893              | 53.148  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 128494              | 49.457  | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 123679              | 50.399  | ug/l   | 100      |
| 22) Diisopropyl ether        | 3.757          | 45   | 388009              | 51.962  | ug/l # | 74       |
| 23) Vinyl Acetate            | 3.721          | 43   | 1738929             | 270.137 | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 225631              | 51.976  | ug/l   | 99       |
| 25) 2-Butanone               | 4.556          | 43   | 499836              | 257.133 | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 152518              | 44.810  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 145875              | 50.896  | ug/l   | 98       |
| 28) Bromochloromethane       | 4.897          | 49   | 89255               | 48.847  | ug/l   | 94       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 325741              | 257.799 | ug/l   | 93       |
| 30) Chloroform               | 5.099          | 83   | 239805              | 51.043  | ug/l   | 97       |
| 31) Cyclohexane              | 5.477          | 56   | 200321              | 50.015  | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 213057              | 51.946  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 172144              | 48.307  | ug/l   | 100      |
| 37) Ethyl Acetate            | 4.715          | 43   | 193057              | 51.869  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 183237              | 51.095  | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.385          | 83   | 212743              | 52.058  | ug/l   | 94       |
| 40) Benzene                  | 6.044          | 78   | 515853              | 50.369  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051622\  
 Data File : VX028746.D  
 Acq On : 16 May 2022 20:59  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: May 17 03:42:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 12 14:58:53 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2022  
 Supervised By :Mahesh Dadoda 05/30/2022

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 100045   | 50.131   | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 192668   | 51.002   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 312732   | 53.707   | ug/l   | 95       |
| 44) Trichloroethene           | 7.129  | 130  | 137962   | 49.670   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 132880   | 52.003   | ug/l   | 99       |
| 46) Dibromomethane            | 7.586  | 93   | 98445    | 51.590   | ug/l   | 93       |
| 47) Bromodichloromethane      | 7.824  | 83   | 182674   | 51.562   | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.696  | 41   | 150951   | 53.664   | ug/l   | 87       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 70982    | 1010.110 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 1016472  | 265.016  | ug/l   | 94       |
| 52) Toluene                   | 8.720  | 92   | 333808   | 50.668   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 190878   | 46.910   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 209493   | 52.552   | ug/l # | 88       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 137967   | 51.357   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 219088   | 53.854   | ug/l # | 83       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 232436   | 51.298   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 525623   | 263.904  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.433  | 43   | 800358   | 268.584  | ug/l   | 91       |
| 60) Dibromochloromethane      | 9.525  | 129  | 141543   | 54.024   | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 149402   | 52.950   | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 112213   | 40.070   | ug/l   | 95       |
| 65) Chlorobenzene             | 10.079 | 112  | 410371   | 52.163   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 157848   | 56.641   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 738390   | 52.365   | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.305 | 106  | 591018   | 107.657  | ug/l   | 97       |
| 69) o-Xylene                  | 10.646 | 106  | 294428   | 54.473   | ug/l   | 97       |
| 70) Styrene                   | 10.659 | 104  | 495341   | 56.433   | ug/l   | 97       |
| 71) Bromoform                 | 10.805 | 173  | 116212   | 50.309   | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 707640   | 54.034   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.848 | 43   | 306088   | 59.458   | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 233978   | 52.079   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 204500m  | 50.565   | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 157507   | 50.830   | ug/l   | 95       |
| 78) n-propylbenzene           | 11.305 | 91   | 769161   | 50.774   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 461646   | 49.721   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 568698   | 52.115   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 57366    | 42.910   | ug/l # | 86       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 534358   | 49.783   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.719 | 119  | 570165   | 53.965   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 565683   | 51.695   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 698588   | 53.603   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 589058   | 53.865   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 302192   | 49.720   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 306284   | 48.584   | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.335 | 91   | 507769   | 53.589   | ug/l   | 98       |
| 90) Hexachloroethane          | 12.542 | 117  | 95124    | 53.788   | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 295989   | 49.574   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 49815    | 51.927   | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 178057   | 51.634   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 71648    | 51.142   | ug/l   | 96       |
| 95) Naphthalene               | 13.774 | 128  | 657305   | 53.564   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 179917   | 51.946   | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051622\  
Data File : VX028746.D  
Acq On : 16 May 2022 20:59  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2022  
Supervised By :Mahesh Dadoda 05/30/2022

Quant Time: May 17 03:42:50 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 12 14:58:53 2022  
Response via : Initial Calibration

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

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

Reviewed By :Semsettin Yesilyurt 05/30/2022  
Supervised By :Mahesh Dadoda 05/30/2022

Page: 4