

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX053023\  
 Data File : VX035919.D  
 Acq On : 30 May 2023 20:18  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: May 31 05:49:33 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052623W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 29 07:45:36 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/31/2023  
 Supervised By :Mahesh Dadoda 05/31/2023

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 209964     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 367062     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 329490     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 159782     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 156133     | 41.845  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 83.700% |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 119771     | 47.503  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 95.000% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 443520     | 47.931  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 95.860% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 176064     | 48.293  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 96.580% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 121409     | 43.481  | ug/l   | 98       |
| 3) Chloromethane             | 1.294          | 50   | 125378     | 43.548  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 122732     | 44.379  | ug/l   | 98       |
| 5) Bromomethane              | 1.611          | 94   | 71593      | 43.198  | ug/l   | 99       |
| 6) Chloroethane              | 1.685          | 64   | 67827      | 43.894  | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 187910     | 45.278  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.130          | 74   | 71444      | 46.878  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 112101     | 45.572  | ug/l   | 95       |
| 10) Methyl Iodide            | 2.453          | 142  | 123009     | 49.295  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 3.001          | 59   | 141481     | 217.745 | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 107947     | 46.819  | ug/l   | 90       |
| 13) Acrolein                 | 2.239          | 56   | 150243     | 233.174 | ug/l   | 99       |
| 14) Allyl chloride           | 2.660          | 41   | 206097     | 45.247  | ug/l   | 93       |
| 15) Acrylonitrile            | 3.069          | 53   | 346094     | 232.862 | ug/l   | 99       |
| 16) Acetone                  | 2.392          | 43   | 304891     | 202.404 | ug/l   | 93       |
| 17) Carbon Disulfide         | 2.514          | 76   | 272434     | 51.014  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 264119     | 45.410  | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 400954     | 45.105  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 126549     | 45.994  | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 116636     | 45.890  | ug/l   | 96       |
| 22) Diisopropyl ether        | 3.757          | 45   | 409471     | 44.768  | ug/l   | 96       |
| 23) Vinyl Acetate            | 3.721          | 43   | 1470775    | 230.836 | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 228103     | 45.190  | ug/l   | 99       |
| 25) 2-Butanone               | 4.562          | 43   | 491493     | 225.570 | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 161606     | 41.518  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 139260     | 47.102  | ug/l   | 94       |
| 28) Bromochloromethane       | 4.898          | 49   | 120889     | 49.423  | ug/l   | 90       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 321392     | 227.989 | ug/l   | 98       |
| 30) Chloroform               | 5.093          | 83   | 232955     | 44.987  | ug/l   | 98       |
| 31) Cyclohexane              | 5.471          | 56   | 197894     | 44.655  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 202691     | 45.300  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 170834     | 44.621  | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.715          | 43   | 187433     | 45.224  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 167933     | 46.538  | ug/l   | 96       |
| 39) Methylcyclohexane        | 7.379          | 83   | 194505     | 44.525  | ug/l   | 98       |
| 40) Benzene                  | 6.038          | 78   | 499635     | 46.593  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX053023\  
 Data File : VX035919.D  
 Acq On : 30 May 2023 20:18  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: May 31 05:49:33 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052623W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 29 07:45:36 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/31/2023  
 Supervised By : Mahesh Dadoda 05/31/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 105261   | 44.616  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 191118   | 42.194  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 302717   | 45.580  | ug/l   | 98       |
| 44) Trichloroethene           | 7.123  | 130  | 129520   | 48.487  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 131188   | 46.391  | ug/l   | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 90532    | 46.624  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.824  | 83   | 173241   | 47.867  | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.696  | 41   | 153000   | 44.879  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 7.708  | 88   | 66261    | 910.763 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 956126   | 231.267 | ug/l   | 97       |
| 52) Toluene                   | 8.720  | 92   | 316673   | 47.020  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 185283   | 49.574  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 202952   | 49.749  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 129964   | 48.676  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 202443   | 48.156  | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 222534   | 45.948  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 517152   | 232.506 | ug/l   | 97       |
| 59) 2-Hexanone                | 9.433  | 43   | 728811   | 233.231 | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.519  | 129  | 131013   | 53.628  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 135413   | 48.162  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 108166   | 48.498  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.079 | 112  | 337524   | 48.120  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 123134   | 51.165  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 612319   | 47.049  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 469858   | 97.580  | ug/l   | 94       |
| 69) o-Xylene                  | 10.640 | 106  | 230920   | 48.274  | ug/l   | 95       |
| 70) Styrene                   | 10.653 | 104  | 385806   | 49.096  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 88353    | 56.783  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 600230   | 46.317  | ug/l   | 97       |
| 74) N-amyl acetate            | 10.842 | 43   | 264730   | 46.969  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 200143   | 47.251  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 189159m  | 47.438  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 142163   | 48.635  | ug/l   | 94       |
| 78) n-propylbenzene           | 11.305 | 91   | 690469   | 45.714  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 426528   | 44.545  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 509778   | 46.171  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 54577    | 45.818  | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 489904   | 44.961  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 490413   | 46.270  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 512330   | 46.335  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 602609   | 45.495  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 510419   | 46.085  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 270593   | 48.501  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 272722   | 47.452  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 432939   | 44.472  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 80169    | 50.034  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 269449   | 48.896  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 42472    | 47.915  | ug/l   | 86       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 156624   | 48.339  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 60207    | 46.342  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 561678   | 49.896  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 152691   | 47.289  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX053023\  
Data File : VX035919.D  
Acq On : 30 May 2023 20:18  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 05/31/2023  
Supervised By :Mahesh Dadoda 05/31/2023

Quant Time: May 31 05:49:33 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X052623W.M  
Quant Title : SW846 8260  
QLast Update : Mon May 29 07:45:36 2023  
Response via : Initial Calibration

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

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

