

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081823\  
 Data File : VX037121.D  
 Acq On : 19 Aug 2023 09:56  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 56 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Aug 21 01:46:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/21/2023  
 Supervised By :Mahesh Dadoda 08/21/2023

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 151016              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 267707              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 253714              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 122792              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 115010              | 52.826  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 105.660% |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 92027               | 51.906  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 103.820% |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 339028              | 52.716  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 105.440% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 134637              | 53.272  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 106.540% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 94625               | 53.941  | ug/l   | 99       |
| 3) Chloromethane             | 1.294          | 50   | 80525               | 52.470  | ug/l   | 96       |
| 4) Vinyl Chloride            | 1.374          | 62   | 88144               | 52.765  | ug/l   | 99       |
| 5) Bromomethane              | 1.599          | 94   | 38947               | 46.805  | ug/l   | 98       |
| 6) Chloroethane              | 1.678          | 64   | 47717               | 48.541  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 148669              | 54.330  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 54736               | 51.702  | ug/l   | 77       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 78588               | 49.229  | ug/l   | 97       |
| 10) Methyl Iodide            | 2.453          | 142  | 107946              | 55.636  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 2.959          | 59   | 116076              | 227.282 | ug/l # | 91       |
| 12) 1,1-Dichloroethene       | 2.318          | 96   | 79009               | 50.824  | ug/l   | 86       |
| 13) Acrolein                 | 2.233          | 56   | 70716               | 182.013 | ug/l   | 98       |
| 14) Allyl chloride           | 2.666          | 41   | 113374              | 47.118  | ug/l # | 94       |
| 15) Acrylonitrile            | 3.062          | 53   | 225935              | 247.856 | ug/l   | 99       |
| 16) Acetone                  | 2.379          | 43   | 203084              | 238.438 | ug/l   | 91       |
| 17) Carbon Disulfide         | 2.514          | 76   | 193939              | 49.046  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 155615              | 48.525  | ug/l # | 88       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 299616              | 50.818  | ug/l   | 97       |
| 20) Methylene Chloride       | 2.788          | 84   | 92798               | 48.720  | ug/l # | 86       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 89034               | 50.382  | ug/l   | 86       |
| 22) Diisopropyl ether        | 3.757          | 45   | 253169              | 51.274  | ug/l # | 90       |
| 23) Vinyl Acetate            | 3.721          | 43   | 962003              | 254.248 | ug/l # | 91       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 156523              | 50.551  | ug/l   | 96       |
| 25) 2-Butanone               | 4.550          | 43   | 307843              | 240.043 | ug/l # | 87       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 76327               | 27.603  | ug/l   | 93       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 105144              | 50.469  | ug/l   | 86       |
| 28) Bromochloromethane       | 4.897          | 49   | 74000               | 53.500  | ug/l # | 77       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 196300              | 240.018 | ug/l # | 84       |
| 30) Chloroform               | 5.092          | 83   | 177219              | 50.987  | ug/l   | 99       |
| 31) Cyclohexane              | 5.470          | 56   | 123693              | 50.527  | ug/l   | 86       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 160334              | 51.476  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 123021              | 48.839  | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.708          | 43   | 119625              | 46.491  | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 137769              | 50.350  | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.379          | 83   | 127707              | 48.256  | ug/l   | 90       |
| 40) Benzene                  | 6.037          | 78   | 361256              | 50.006  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081823\  
 Data File : VX037121.D  
 Acq On : 19 Aug 2023 09:56  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 56 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Aug 21 01:46:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/21/2023  
 Supervised By :Mahesh Dadoda 08/21/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 65191    | 48.737  | ug/l # | 89       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 143778   | 50.751  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 201073   | 49.222  | ug/l # | 92       |
| 44) Trichloroethene           | 7.122  | 130  | 101430   | 49.515  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 90403    | 50.752  | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 71980    | 51.295  | ug/l   | 95       |
| 47) Bromodichloromethane      | 7.817  | 83   | 139254   | 51.810  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.689  | 41   | 99696    | 50.043  | ug/l # | 87       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 50607    | 943.222 | ug/l # | 87       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 611096   | 246.354 | ug/l   | 92       |
| 52) Toluene                   | 8.720  | 92   | 242723   | 50.852  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 139025   | 48.579  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 145942   | 47.191  | ug/l # | 87       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 101443   | 52.193  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 157115   | 51.608  | ug/l   | 88       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 168106   | 51.307  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 374265   | 256.173 | ug/l   | 92       |
| 59) 2-Hexanone                | 9.427  | 43   | 460929   | 243.702 | ug/l   | 89       |
| 60) Dibromochloromethane      | 9.518  | 129  | 112198   | 54.219  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 109915   | 51.652  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 91682    | 49.535  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 265810   | 49.570  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 102775   | 51.930  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 470166   | 49.829  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 364222   | 99.956  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 183521   | 51.048  | ug/l   | 98       |
| 70) Styrene                   | 10.652 | 104  | 303061   | 51.176  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 79870    | 53.952  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 463826   | 51.968  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 172995   | 49.884  | ug/l   | 91       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 147139   | 48.952  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 125555m  | 48.012  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 112869   | 51.781  | ug/l   | 93       |
| 78) n-propylbenzene           | 11.305 | 91   | 511766   | 51.494  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 329290   | 51.849  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 395223   | 53.085  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 37367    | 39.910  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 375840   | 51.266  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 370776   | 52.219  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 394858   | 52.477  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 437977   | 52.809  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 376968   | 52.800  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 205191   | 50.280  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 207779   | 49.280  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 301947   | 51.011  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 65165    | 54.685  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 202639   | 50.708  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 34325    | 49.147  | ug/l   | 83       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 112951   | 48.306  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 42480    | 47.027  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 429000   | 41.885  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 114969   | 49.490  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081823\  
Data File : VX037121.D  
Acq On : 19 Aug 2023 09:56  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 56 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 08/21/2023  
Supervised By :Mahesh Dadoda 08/21/2023

Quant Time: Aug 21 01:46:22 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 18 09:30:38 2023  
Response via : Initial Calibration

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

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

