

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040824\  
 Data File : VX040915.D  
 Acq On : 08 Apr 2024 09:26  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Apr 09 02:43:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040124W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 02 05:40:55 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 04/09/2024  
 Supervised By : Semsettin Yesilyurt 04/09/2024

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 57620      | 50.000  | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 95706      | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 89553      | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 46521      | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.946          | 65   | 49148      | 47.538  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 95.080% |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 33134      | 48.879  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 97.760% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 116918     | 47.731  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 95.460% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 47848      | 48.914  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 97.820% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 34806      | 44.566  | ug/l   | 99       |
| 3) Chloromethane             | 1.301          | 50   | 33988      | 50.375  | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 36018      | 51.715  | ug/l   | 97       |
| 5) Bromomethane              | 1.605          | 94   | 26172      | 61.083  | ug/l   | 99       |
| 6) Chloroethane              | 1.685          | 64   | 22504      | 50.126  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 63966      | 47.979  | ug/l   | 97       |
| 8) Diethyl Ether             | 2.136          | 74   | 20507      | 47.599  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 32438      | 47.196  | ug/l   | 99       |
| 10) Methyl Iodide            | 2.453          | 142  | 37002      | 44.381  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 2.953          | 59   | 40219      | 213.078 | ug/l # | 90       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 29770      | 46.182  | ug/l   | 97       |
| 13) Acrolein                 | 2.239          | 56   | 20483      | 198.798 | ug/l   | 99       |
| 14) Allyl chloride           | 2.666          | 41   | 54413      | 47.120  | ug/l   | 89       |
| 15) Acrylonitrile            | 3.056          | 53   | 88561      | 222.416 | ug/l   | 99       |
| 16) Acetone                  | 2.374          | 43   | 101161     | 251.996 | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.514          | 76   | 78323      | 42.000  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.697          | 43   | 39742      | 41.729  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 106732     | 47.038  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 32301      | 43.418  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 31007      | 45.541  | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.757          | 45   | 108440     | 48.254  | ug/l   | 96       |
| 23) Vinyl Acetate            | 3.715          | 43   | 523235     | 242.923 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 59944      | 46.688  | ug/l   | 99       |
| 25) 2-Butanone               | 4.544          | 43   | 134404     | 225.383 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 54382      | 49.335  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 36613      | 46.568  | ug/l   | 97       |
| 28) Bromochloromethane       | 4.891          | 49   | 25691      | 44.502  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 4.995          | 42   | 83194      | 214.638 | ug/l   | 99       |
| 30) Chloroform               | 5.086          | 83   | 66878      | 47.856  | ug/l   | 99       |
| 31) Cyclohexane              | 5.464          | 56   | 50210      | 45.767  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 58853      | 47.392  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 45005      | 46.724  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.708          | 43   | 52149      | 44.091  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 51693      | 48.479  | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.373          | 83   | 54173      | 47.071  | ug/l   | 99       |
| 40) Benzene                  | 6.031          | 78   | 126328     | 47.254  | ug/l   | 98       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Apr 09 02:43:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040124W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 02 05:40:55 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :John Carlone 04/09/2024  
 Supervised By :Semsettin Yesilyurt 04/09/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.910  | 41   | 28540    | 46.986  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 55447    | 47.753  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 88509    | 48.456  | ug/l   | 96       |
| 44) Trichloroethene           | 7.117  | 130  | 32873    | 49.234  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 31699    | 49.670  | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 25239    | 48.251  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.818  | 83   | 52385    | 48.134  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.690  | 41   | 43457    | 48.585  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.653  | 88   | 14950    | 875.873 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone      | 8.568  | 43   | 281934   | 232.698 | ug/l   | 97       |
| 52) Toluene                   | 8.714  | 92   | 80049    | 47.455  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 53168    | 47.472  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 53845    | 49.897  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 32012    | 48.629  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 55448    | 49.052  | ug/l # | 92       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 55378    | 48.100  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 132671   | 242.102 | ug/l   | 97       |
| 59) 2-Hexanone                | 9.427  | 43   | 222738   | 229.226 | ug/l   | 96       |
| 60) Dibromochloromethane      | 9.519  | 129  | 39015    | 49.646  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 34024    | 47.906  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.269  | 164  | 28206    | 47.595  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.079 | 112  | 90507    | 46.212  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 32298    | 49.682  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 165953   | 47.514  | ug/l   | 96       |
| 68) m/p-Xylenes               | 10.299 | 106  | 120745   | 95.013  | ug/l   | 91       |
| 69) o-Xylene                  | 10.640 | 106  | 57418    | 47.959  | ug/l   | 89       |
| 70) Styrene                   | 10.653 | 104  | 102040   | 49.184  | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 27108    | 47.234  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 159276   | 49.021  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 80968    | 49.199  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 53601    | 48.247  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 46081m   | 46.452  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 37491    | 49.188  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 196560   | 48.406  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 116579   | 48.107  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 138657   | 49.966  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 17345    | 47.174  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 141222   | 48.811  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 133421   | 48.464  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 139031   | 49.733  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 169626   | 48.514  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 146772   | 50.049  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 73576    | 47.757  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 74186    | 45.381  | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.329 | 91   | 143242   | 49.442  | ug/l   | 96       |
| 90) Hexachloroethane          | 12.536 | 117  | 25942    | 50.781  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 70343    | 46.589  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 13711    | 48.029  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 48759    | 46.583  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 18168    | 45.310  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 163405   | 48.484  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 47585    | 47.653  | ug/l   | 98       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :John Carlone 04/09/2024  
Supervised By :Semsettin Yesilyurt 04/09/2024

Quant Time: Apr 09 02:43:15 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040124W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 02 05:40:55 2024  
Response via : Initial Calibration

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

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

