

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020124\  
 Data File : VX040072.D  
 Acq On : 01 Feb 2024 16:39  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/02/2024  
 Supervised By : Semsettin Yesilyurt 02/02/2024

Quant Time: Feb 02 01:42:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X013024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 01 05:44:39 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 93288      | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 163064     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 154906     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 74566      | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 67639      | 45.052  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 90.100% |        |          |
| 35) Dibromofluoromethane     | 5.373          | 113  | 51221      | 46.144  | ug/l   | -0.01    |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 92.280% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 192371     | 46.341  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 92.680% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 71938      | 45.005  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 90.020% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 58487      | 55.663  | ug/l   | 97       |
| 3) Chloromethane             | 1.294          | 50   | 55558      | 55.754  | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.374          | 62   | 55996      | 60.760  | ug/l   | 100      |
| 5) Bromomethane              | 1.593          | 94   | 41909      | 46.779  | ug/l   | 98       |
| 6) Chloroethane              | 1.678          | 64   | 31456      | 51.701  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 62991      | 42.959  | ug/l   | 93       |
| 8) Diethyl Ether             | 2.130          | 74   | 23584      | 45.494  | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 54575      | 49.884  | ug/l   | 99       |
| 10) Methyl Iodide            | 2.447          | 142  | 65265      | 56.040  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 2.953          | 59   | 64367      | 236.280 | ug/l # | 91       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 52295      | 49.840  | ug/l   | 87       |
| 13) Acrolein                 | 2.233          | 56   | 68400      | 262.066 | ug/l   | 99       |
| 14) Allyl chloride           | 2.660          | 41   | 94919      | 50.187  | ug/l   | 98       |
| 15) Acrylonitrile            | 3.056          | 53   | 176263     | 258.297 | ug/l   | 99       |
| 16) Acetone                  | 2.373          | 43   | 158030     | 224.648 | ug/l   | 92       |
| 17) Carbon Disulfide         | 2.508          | 76   | 141192     | 46.024  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.697          | 43   | 96648      | 57.995  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 183357     | 51.014  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 62357      | 49.881  | ug/l   | 90       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 56976      | 49.307  | ug/l   | 96       |
| 22) Diisopropyl ether        | 3.757          | 45   | 194369     | 53.055  | ug/l   | 89       |
| 23) Vinyl Acetate            | 3.715          | 43   | 869343     | 265.149 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 107312     | 51.144  | ug/l   | 99       |
| 25) 2-Butanone               | 4.544          | 43   | 245027     | 250.571 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 77772      | 47.504  | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 66506      | 51.581  | ug/l   | 94       |
| 28) Bromochloromethane       | 4.891          | 49   | 52499      | 53.658  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 4.995          | 42   | 163590     | 263.107 | ug/l   | 99       |
| 30) Chloroform               | 5.086          | 83   | 113363     | 50.315  | ug/l   | 96       |
| 31) Cyclohexane              | 5.464          | 56   | 89957      | 47.833  | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 94734      | 48.994  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 81946      | 51.044  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.702          | 43   | 95530      | 54.487  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 76972      | 50.110  | ug/l   | 96       |
| 39) Methylcyclohexane        | 7.379          | 83   | 93709      | 47.976  | ug/l   | 96       |
| 40) Benzene                  | 6.031          | 78   | 238229     | 50.949  | ug/l   | 98       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Feb 02 01:42:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X013024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 01 05:44:39 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 02/02/2024  
 Supervised By :Semsettin Yesilyurt 02/02/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.910  | 41   | 51232    | 57.620  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 92093    | 51.165  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 153078   | 55.366  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 60546    | 49.206  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 7.421  | 63   | 62871    | 50.926  | ug/l   | 94       |
| 46) Dibromomethane            | 7.574  | 93   | 47285    | 51.028  | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.818  | 83   | 88024    | 53.335  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.690  | 41   | 76552    | 56.206  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 7.653  | 88   | 28987    | 979.407 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone      | 8.568  | 43   | 517619   | 274.255 | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 149504   | 51.299  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 90199    | 52.695  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 99093    | 54.253  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 63832    | 52.915  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 9.110  | 69   | 99180    | 56.302  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 105811   | 53.251  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 254362   | 287.146 | ug/l   | 96       |
| 59) 2-Hexanone                | 9.427  | 43   | 407665   | 270.904 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 65410    | 53.963  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 67588    | 51.824  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 51921    | 51.512  | ug/l   | 95       |
| 65) Chlorobenzene             | 10.073 | 112  | 160619   | 50.164  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 57661    | 53.325  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 297096   | 51.715  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 221387   | 102.435 | ug/l   | 97       |
| 69) o-Xylene                  | 10.640 | 106  | 107953   | 52.658  | ug/l   | 96       |
| 70) Styrene                   | 10.652 | 104  | 183279   | 53.044  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 44073    | 50.187  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.957 | 105  | 287136   | 53.626  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 140967   | 54.971  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 100070   | 49.710  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 81317m   | 51.210  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 65270    | 52.845  | ug/l   | 96       |
| 78) n-propylbenzene           | 11.305 | 91   | 337699   | 51.252  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 196237   | 49.471  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 239671   | 52.071  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 27051    | 53.251  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 237277   | 52.117  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 224629   | 51.000  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 239694   | 52.188  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 291316   | 49.923  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 238495   | 50.051  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 123959   | 49.749  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 126688   | 49.669  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 225669   | 48.794  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.536 | 117  | 37949    | 48.842  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 120564   | 50.184  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 22319    | 48.910  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 80369    | 53.515  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 29297    | 49.524  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 273180   | 53.556  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 78124    | 52.613  | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/02/2024  
Supervised By :Semsettin Yesilyurt 02/02/2024

Quant Time: Feb 02 01:42:16 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X013024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 01 05:44:39 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

