

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051225\  
 Data File : VX046151.D  
 Acq On : 12 May 2025 20:13  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: May 13 03:24:14 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 06 07:12:22 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025  
 Supervised By :Semsettin Yesilyurt 05/13/2025

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 84445               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 150105              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 134953              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 63647               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 83583               | 53.091  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 106.180% |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 56701               | 52.457  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 104.920% |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 195302              | 52.203  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 104.400% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 76562               | 53.351  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 106.700% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.167          | 85   | 74492               | 57.635  | ug/l   | 97       |
| 3) Chloromethane             | 1.307          | 50   | 69980               | 55.833  | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 63843               | 54.730  | ug/l   | 100      |
| 5) Bromomethane              | 1.593          | 94   | 27785               | 51.354  | ug/l   | 96       |
| 6) Chloroethane              | 1.666          | 64   | 34462               | 55.340  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.874          | 101  | 95785               | 55.560  | ug/l   | 98       |
| 8) Diethyl Ether             | 2.136          | 74   | 30786               | 52.457  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.319          | 101  | 56460               | 52.920  | ug/l   | 99       |
| 10) Methyl Iodide            | 2.441          | 142  | 66376               | 52.578  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.983          | 59   | 64518               | 291.953 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.307          | 96   | 53298               | 53.228  | ug/l   | 97       |
| 13) Acrolein                 | 2.240          | 56   | 74689               | 296.773 | ug/l   | 99       |
| 14) Allyl chloride           | 2.654          | 41   | 105269              | 55.009  | ug/l   | 97       |
| 15) Acrylonitrile            | 3.063          | 53   | 181373              | 287.028 | ug/l   | 98       |
| 16) Acetone                  | 2.386          | 43   | 175264              | 277.654 | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.502          | 76   | 122607              | 51.648  | ug/l   | 98       |
| 18) Methyl Acetate           | 2.703          | 43   | 86297               | 58.914  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 195233              | 55.614  | ug/l   | 100      |
| 20) Methylene Chloride       | 2.782          | 84   | 61586               | 50.913  | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 3.081          | 96   | 54341               | 53.965  | ug/l   | 98       |
| 22) Diisopropyl ether        | 3.764          | 45   | 207822              | 56.220  | ug/l   | 89       |
| 23) Vinyl Acetate            | 3.721          | 43   | 928468              | 285.573 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 113546              | 55.149  | ug/l   | 99       |
| 25) 2-Butanone               | 4.556          | 43   | 265533              | 289.753 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 69836               | 43.336  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 65600               | 54.115  | ug/l   | 98       |
| 28) Bromochloromethane       | 4.891          | 49   | 52209               | 52.681  | ug/l   | 100      |
| 29) Tetrahydrofuran          | 5.001          | 42   | 167030              | 290.868 | ug/l   | 99       |
| 30) Chloroform               | 5.087          | 83   | 119601              | 55.732  | ug/l   | 99       |
| 31) Cyclohexane              | 5.458          | 56   | 100349              | 53.486  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 101692              | 54.665  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 75174               | 51.761  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.715          | 43   | 97634               | 54.412  | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 87194               | 53.434  | ug/l   | 95       |
| 39) Methylcyclohexane        | 7.373          | 83   | 96352               | 51.532  | ug/l   | 100      |
| 40) Benzene                  | 6.032          | 78   | 229313              | 53.906  | ug/l   | 98       |

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 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VSTDCCC050EC

Quant Time: May 13 03:24:14 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 06 07:12:22 2025  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025  
 Supervised By :Semsettin Yesilyurt 05/13/2025

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 57249    | 60.991   | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 98691    | 53.754   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 154796   | 56.549   | ug/l   | 100      |
| 44) Trichloroethene           | 7.123  | 130  | 54354    | 53.088   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 58252    | 55.070   | ug/l   | 99       |
| 46) Dibromomethane            | 7.574  | 93   | 44447    | 53.276   | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.818  | 83   | 89879    | 54.699   | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.690  | 41   | 82478    | 58.997   | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 32403    | 1220.720 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 526149   | 289.566  | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 142312   | 54.558   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 80057    | 54.814   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 87575    | 54.251   | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 57270    | 55.681   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 97531    | 59.497   | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 100343   | 54.323   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 238807   | 285.751  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.427  | 43   | 388652   | 289.111  | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 64734    | 57.309   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 58970    | 55.163   | ug/l   | 96       |
| 64) Tetrachloroethene         | 9.269  | 164  | 47468    | 49.713   | ug/l   | 97       |
| 65) Chlorobenzene             | 10.080 | 112  | 152859   | 51.750   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 54091    | 53.628   | ug/l   | 100      |
| 67) Ethyl Benzene             | 10.189 | 91   | 278483   | 53.485   | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 205481   | 107.902  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 100802   | 54.296   | ug/l   | 97       |
| 70) Styrene                   | 10.653 | 104  | 172928   | 56.861   | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 40277    | 53.188   | ug/l # | 97       |
| 73) Isopropylbenzene          | 10.957 | 105  | 269183   | 54.324   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 137943   | 56.337   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 89036    | 51.275   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 78089m   | 50.971   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 61273    | 53.263   | ug/l   | 99       |
| 78) n-propylbenzene           | 11.299 | 91   | 311907   | 54.136   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 195086   | 52.496   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 229252   | 55.380   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 23200    | 49.302   | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 223356   | 54.198   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 223159   | 53.518   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 230448   | 54.971   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 280284   | 54.745   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 229203   | 54.236   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 110646   | 52.701   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.037 | 146  | 109345   | 50.997   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 198181   | 53.462   | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 39649    | 53.254   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 110436   | 52.418   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 21159    | 55.004   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 61444    | 50.777   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 26650    | 50.426   | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 235485   | 53.059   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 66156    | 52.984   | ug/l   | 97       |

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ALS Vial : 28 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 05/13/2025  
Supervised By :Semsettin Yesilyurt 05/13/2025

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Quant Title : SW846 8260  
QLast Update : Tue May 06 07:12:22 2025  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

