

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061725\  
 Data File : VX046720.D  
 Acq On : 17 Jun 2025 14:20  
 Operator : JC/MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025  
 Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 02:39:23 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061725W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 18 02:34:13 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.562          | 168  | 123412     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769          | 114  | 204400     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 179407     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 89016      | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964          | 65   | 80133      | 46.944  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 93.880% |        |          |
| 35) Dibromofluoromethane     | 5.397          | 113  | 65447      | 48.394  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 96.780% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 233825     | 48.124  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 96.240% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 87131      | 48.107  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 96.220% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.185          | 85   | 71910      | 54.577  | ug/l   | 100      |
| 3) Chloromethane             | 1.307          | 50   | 73175      | 51.454  | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.386          | 62   | 78242      | 51.592  | ug/l   | 100      |
| 5) Bromomethane              | 1.624          | 94   | 45535      | 53.367  | ug/l   | 100      |
| 6) Chloroethane              | 1.703          | 64   | 46570      | 50.665  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.904          | 101  | 119335     | 51.823  | ug/l   | 100      |
| 8) Diethyl Ether             | 2.148          | 74   | 39712      | 50.251  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 2.343          | 101  | 71037      | 50.285  | ug/l   | 100      |
| 10) Methyl Iodide            | 2.471          | 142  | 80710      | 46.019  | ug/l   | 100      |
| 11) Tert butyl alcohol       | 2.959          | 59   | 38256      | 249.692 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 2.337          | 96   | 70202      | 51.500  | ug/l   | 100      |
| 13) Acrolein                 | 2.246          | 56   | 53791      | 241.036 | ug/l   | 100      |
| 14) Allyl chloride           | 2.678          | 41   | 123265     | 49.909  | ug/l   | 100      |
| 15) Acrylonitrile            | 3.075          | 53   | 175846     | 255.243 | ug/l   | 100      |
| 16) Acetone                  | 2.386          | 43   | 135683     | 238.356 | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.526          | 76   | 197344     | 47.941  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.715          | 43   | 71685      | 49.582  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.123          | 73   | 216266     | 50.953  | ug/l   | 100      |
| 20) Methylene Chloride       | 2.800          | 84   | 75315      | 47.576  | ug/l   | 100      |
| 21) trans-1,2-Dichloroethene | 3.105          | 96   | 72648      | 49.807  | ug/l   | 100      |
| 22) Diisopropyl ether        | 3.770          | 45   | 242789     | 51.143  | ug/l   | 100      |
| 23) Vinyl Acetate            | 3.733          | 43   | 985040     | 260.935 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.623          | 63   | 134324     | 49.835  | ug/l   | 100      |
| 25) 2-Butanone               | 4.562          | 43   | 208346     | 258.788 | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 4.489          | 77   | 93956      | 47.794  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.501          | 96   | 84638      | 49.392  | ug/l   | 100      |
| 28) Bromochloromethane       | 4.910          | 49   | 59857      | 48.984  | ug/l   | 100      |
| 29) Tetrahydrofuran          | 5.013          | 42   | 133555     | 256.831 | ug/l   | 100      |
| 30) Chloroform               | 5.105          | 83   | 137459     | 50.996  | ug/l   | 100      |
| 31) Cyclohexane              | 5.483          | 56   | 125014     | 48.909  | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 5.397          | 97   | 117954     | 49.895  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 5.702          | 75   | 97413      | 49.899  | ug/l   | 100      |
| 37) Ethyl Acetate            | 4.721          | 43   | 88076      | 48.877  | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 5.690          | 117  | 105202     | 49.656  | ug/l   | 100      |
| 39) Methylcyclohexane        | 7.385          | 83   | 128553     | 50.041  | ug/l   | 100      |
| 40) Benzene                  | 6.044          | 78   | 289724     | 50.146  | ug/l   | 100      |

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 ALS Vial : 6 Sample Multiplier: 1

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 ClientSampleId :  
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 Quant Title : SW846 8260  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 48765    | 50.762  | ug/l   | 100      |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 101218   | 49.855  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.342  | 43   | 146377   | 51.911  | ug/l   | 100      |
| 44) Trichloroethene           | 7.129  | 130  | 72796    | 49.441  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 70702    | 49.378  | ug/l   | 100      |
| 46) Dibromomethane            | 7.586  | 93   | 51288    | 49.840  | ug/l   | 100      |
| 47) Bromodichloromethane      | 7.824  | 83   | 106651   | 50.787  | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.696  | 41   | 75708    | 53.535  | ug/l   | 100      |
| 49) 1,4-Dioxane               | 7.659  | 88   | 19802    | 962.534 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 435000   | 258.656 | ug/l   | 100      |
| 52) Toluene                   | 8.720  | 92   | 181414   | 50.650  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 99727    | 51.183  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 111917   | 50.598  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 66688    | 49.963  | ug/l   | 100      |
| 56) Ethyl methacrylate        | 9.116  | 69   | 103697   | 52.629  | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 114824   | 49.955  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.245  | 63   | 287531   | 280.927 | ug/l   | 100      |
| 59) 2-Hexanone                | 9.427  | 43   | 303322   | 260.883 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 79227    | 50.368  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 68515    | 50.464  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 61048    | 49.115  | ug/l   | 100      |
| 65) Chlorobenzene             | 10.080 | 112  | 195752   | 49.429  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 67004    | 50.341  | ug/l   | 100      |
| 67) Ethyl Benzene             | 10.189 | 91   | 346812   | 50.119  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 259899   | 100.800 | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 124120   | 51.366  | ug/l   | 100      |
| 70) Styrene                   | 10.653 | 104  | 216738   | 51.254  | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 51485    | 50.792  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.957 | 105  | 331391   | 50.548  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 130606   | 52.581  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 92893    | 50.745  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 88091m   | 48.721  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 79404    | 50.331  | ug/l   | 100      |
| 78) n-propylbenzene           | 11.299 | 91   | 394375   | 50.646  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 230178   | 49.509  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 273477   | 50.761  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 27677    | 47.984  | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 269198   | 49.613  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 277915   | 49.905  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 272510   | 50.345  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 355947   | 50.574  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 297314   | 50.067  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 149402   | 48.568  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.037 | 146  | 147146   | 46.571  | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.329 | 91   | 280794   | 49.801  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 51961    | 49.968  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.329 | 146  | 141743   | 49.309  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 18747    | 51.873  | ug/l   | 100      |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 100346   | 49.101  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.719 | 225  | 42659    | 49.621  | ug/l   | 100      |
| 95) Naphthalene               | 13.774 | 128  | 296912   | 50.994  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 96318    | 49.263  | ug/l   | 100      |

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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

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