

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011525\  
 Data File : VX044655.D  
 Acq On : 15 Jan 2025 15:15  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX011525

Quant Time: Jan 16 01:21:44 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011525W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 16 01:16:09 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025  
 Supervised By :Semsettin Yesilyurt 01/16/2025

| Compound                     | R.T.           | QIon | Response            | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|-------|----------|
| -----                        |                |      |                     |         |       |          |
| Internal Standards           |                |      |                     |         |       |          |
| 1) Pentafluorobenzene        | 5.537          | 168  | 179405              | 50.000  | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.751          | 114  | 323521              | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 266872              | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 115489              | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.940          | 65   | 141798              | 52.363  | ug/l  | -0.01    |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 104.720% |         |       |          |
| 35) Dibromofluoromethane     | 5.373          | 113  | 110333              | 53.683  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 107.360% |         |       |          |
| 50) Toluene-d8               | 8.641          | 98   | 380624              | 53.113  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 106.220% |         |       |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 140770              | 52.693  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 105.380% |         |       |          |
| Target Compounds             |                |      |                     |         |       |          |
|                              |                |      |                     |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 136518              | 56.549  | ug/l  | 99       |
| 3) Chloromethane             | 1.300          | 50   | 124691              | 47.763  | ug/l  | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 128558              | 49.839  | ug/l  | 98       |
| 5) Bromomethane              | 1.593          | 94   | 30815               | 50.031  | ug/l  | 98       |
| 6) Chloroethane              | 1.660          | 64   | 23473               | 49.624  | ug/l  | 98       |
| 7) Trichlorofluoromethane    | 1.861          | 101  | 147644              | 51.789  | ug/l  | 98       |
| 8) Diethyl Ether             | 2.130          | 74   | 54624               | 47.479  | ug/l  | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.312          | 101  | 112018              | 52.271  | ug/l  | 100      |
| 10) Methyl Iodide            | 2.441          | 142  | 150245              | 51.350  | ug/l  | 99       |
| 11) Tert butyl alcohol       | 2.983          | 59   | 150021m             | 248.503 | ug/l  |          |
| 12) 1,1-Dichloroethene       | 2.306          | 96   | 107643              | 51.243  | ug/l  | 97       |
| 13) Acrolein                 | 2.233          | 56   | 65602               | 230.919 | ug/l  | 98       |
| 14) Allyl chloride           | 2.654          | 41   | 197270              | 48.232  | ug/l  | 100      |
| 15) Acrylonitrile            | 3.062          | 53   | 307790              | 259.942 | ug/l  | 99       |
| 16) Acetone                  | 2.386          | 43   | 285777              | 266.735 | ug/l  | 100      |
| 17) Carbon Disulfide         | 2.495          | 76   | 291339              | 50.827  | ug/l  | 100      |
| 18) Methyl Acetate           | 2.703          | 43   | 177037              | 53.560  | ug/l  | 99       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 383394              | 50.389  | ug/l  | 99       |
| 20) Methylene Chloride       | 2.782          | 84   | 119950              | 48.076  | ug/l  | 98       |
| 21) trans-1,2-Dichloroethene | 3.081          | 96   | 107127              | 48.846  | ug/l  | 97       |
| 22) Diisopropyl ether        | 3.757          | 45   | 360169              | 50.659  | ug/l  | 93       |
| 23) Vinyl Acetate            | 3.715          | 43   | 1583340             | 254.442 | ug/l  | 99       |
| 24) 1,1-Dichloroethane       | 3.599          | 63   | 211436              | 50.150  | ug/l  | 99       |
| 25) 2-Butanone               | 4.550          | 43   | 423083              | 265.596 | ug/l  | 99       |
| 26) 2,2-Dichloropropane      | 4.458          | 77   | 198981              | 48.697  | ug/l  | 98       |
| 27) cis-1,2-Dichloroethene   | 4.477          | 96   | 134711              | 48.831  | ug/l  | 100      |
| 28) Bromochloromethane       | 4.885          | 49   | 97608               | 49.545  | ug/l  | 99       |
| 29) Tetrahydrofuran          | 4.995          | 42   | 263635              | 256.578 | ug/l  | 99       |
| 30) Chloroform               | 5.080          | 83   | 214034              | 50.304  | ug/l  | 99       |
| 31) Cyclohexane              | 5.452          | 56   | 180309              | 52.878  | ug/l  | 97       |
| 32) 1,1,1-Trichloroethane    | 5.367          | 97   | 191114              | 48.859  | ug/l  | 99       |
| 36) 1,1-Dichloropropene      | 5.678          | 75   | 143891              | 50.294  | ug/l  | 99       |
| 37) Ethyl Acetate            | 4.702          | 43   | 166128              | 54.526  | ug/l  | 99       |
| 38) Carbon Tetrachloride     | 5.659          | 117  | 161829              | 50.287  | ug/l  | 100      |
| 39) Methylcyclohexane        | 7.366          | 83   | 199470              | 52.520  | ug/l  | 98       |
| 40) Benzene                  | 6.025          | 78   | 448684              | 50.610  | ug/l  | 100      |

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Instrument :  
 MSVOA\_X  
 ClientSampleId :  
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Quant Time: Jan 16 01:21:44 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011525W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 16 01:16:09 2025  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025  
 Supervised By :Semsettin Yesilyurt 01/16/2025

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.910  | 41   | 91151    | 51.342  | ug/l   | 100      |
| 42) 1,2-Dichloroethane        | 6.074  | 62   | 164707   | 50.902  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.330  | 43   | 285121   | 50.871  | ug/l   | 100      |
| 44) Trichloroethene           | 7.116  | 130  | 110588   | 51.887  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.421  | 63   | 113836   | 51.011  | ug/l   | 97       |
| 46) Dibromomethane            | 7.574  | 93   | 84838    | 49.939  | ug/l   | 100      |
| 47) Bromodichloromethane      | 7.811  | 83   | 174297   | 50.029  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.683  | 41   | 137603   | 52.890  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 53851    | 992.095 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.567  | 43   | 779855   | 251.778 | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 271071   | 49.955  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.970  | 75   | 184653   | 51.300  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 199240   | 51.049  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 109957   | 50.085  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.110  | 69   | 190986   | 50.595  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 187407   | 50.129  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.232  | 63   | 466737   | 251.852 | ug/l   | 100      |
| 59) 2-Hexanone                | 9.427  | 43   | 576549   | 253.010 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.518  | 129  | 128727   | 49.957  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 114330   | 49.693  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.269  | 164  | 89460    | 53.384  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.073 | 112  | 287202   | 50.667  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 105329   | 51.129  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 511560   | 51.721  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 376743   | 102.645 | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 186995   | 50.378  | ug/l   | 99       |
| 70) Styrene                   | 10.652 | 104  | 308018   | 51.398  | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 86512    | 51.597  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 474051   | 50.246  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 233338   | 50.177  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 159673   | 49.002  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 140149m  | 50.004  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 109171   | 49.506  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.299 | 91   | 538048   | 51.712  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 333891   | 49.678  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.445 | 105  | 382880   | 49.852  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 63708    | 51.981  | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 373655   | 50.750  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 397191   | 49.459  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 388010   | 49.714  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 477595   | 51.076  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 392123   | 51.028  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 196862   | 51.476  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 193343   | 50.011  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 350704   | 53.136  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 84427    | 48.518  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 194138   | 49.430  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 39583    | 49.672  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 125286   | 53.362  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 48702    | 52.807  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 479024   | 52.899  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 128038   | 52.611  | ug/l   | 100      |

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Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

