

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032625\  
 Data File : VX045462.D  
 Acq On : 26 Mar 2025 12:09  
 Operator : JC/MD  
 Sample : Q1629-15MS  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RW09-MW01S-20250320MS

Quant Time: Mar 27 01:34:56 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 03/28/2025  
 Supervised By : Mahesh Dadoda 03/28/2025

| Compound                     | R.T.           | QIon | Response            | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|-------|----------|
| -----                        |                |      |                     |         |       |          |
| Internal Standards           |                |      |                     |         |       |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 81846               | 50.000  | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 149200              | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 128995              | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 58223               | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 70333               | 54.024  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 108.040% |         |       |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 51057               | 51.177  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 102.360% |         |       |          |
| 50) Toluene-d8               | 8.647          | 98   | 171361              | 47.378  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 94.760%  |         |       |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 64151               | 53.525  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 107.060% |         |       |          |
| Target Compounds             |                |      |                     |         |       |          |
|                              |                |      |                     |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 63039               | 61.188  | ug/l  | 99       |
| 3) Chloromethane             | 1.307          | 50   | 64002               | 50.763  | ug/l  | 97       |
| 4) Vinyl Chloride            | 1.374          | 62   | 60997               | 48.769  | ug/l  | 97       |
| 5) Bromomethane              | 1.593          | 94   | 26706               | 54.316  | ug/l  | 96       |
| 6) Chloroethane              | 1.660          | 64   | 31169               | 54.028  | ug/l  | 97       |
| 7) Trichlorofluoromethane    | 1.867          | 101  | 89136               | 53.834  | ug/l  | 97       |
| 8) Diethyl Ether             | 2.130          | 74   | 28789               | 44.453  | ug/l  | 92       |
| 9) 1,1,2-Trichlorotrifluo... | 2.319          | 101  | 56095               | 58.969  | ug/l  | 99       |
| 10) Methyl Iodide            | 2.441          | 142  | 67036               | 56.391  | ug/l  | 93       |
| 11) Tert butyl alcohol       | 2.983          | 59   | 52681               | 213.632 | ug/l  | 97       |
| 12) 1,1-Dichloroethene       | 2.306          | 96   | 53128               | 52.826  | ug/l  | 95       |
| 13) Acrolein                 | 2.239          | 56   | 67779               | 237.772 | ug/l  | 100      |
| 14) Allyl chloride           | 2.654          | 41   | 98242               | 54.877  | ug/l  | 94       |
| 15) Acrylonitrile            | 3.062          | 53   | 170621              | 258.161 | ug/l  | 99       |
| 16) Acetone                  | 2.386          | 43   | 158081              | 261.709 | ug/l  | 97       |
| 17) Carbon Disulfide         | 2.502          | 76   | 130184              | 48.600  | ug/l  | 98       |
| 18) Methyl Acetate           | 2.703          | 43   | 70244               | 48.341  | ug/l  | 98       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 174983              | 51.860  | ug/l  | 97       |
| 20) Methylene Chloride       | 2.782          | 84   | 60344               | 50.433  | ug/l  | 96       |
| 21) trans-1,2-Dichloroethene | 3.081          | 96   | 52538               | 52.878  | ug/l  | 97       |
| 22) Diisopropyl ether        | 3.763          | 45   | 189973              | 52.178  | ug/l  | 96       |
| 23) Vinyl Acetate            | 3.721          | 43   | 859885              | 283.012 | ug/l  | 99       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 106646              | 52.266  | ug/l  | 99       |
| 25) 2-Butanone               | 4.556          | 43   | 245592              | 270.113 | ug/l  | 97       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 75229               | 78.603  | ug/l  | 95       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 62696               | 51.117  | ug/l  | 90       |
| 28) Bromochloromethane       | 4.891          | 49   | 48323               | 49.686  | ug/l  | 99       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 156166              | 255.764 | ug/l  | 100      |
| 30) Chloroform               | 5.086          | 83   | 109294              | 53.908  | ug/l  | 99       |
| 31) Cyclohexane              | 5.464          | 56   | 95021               | 53.647  | ug/l  | 95       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 91708               | 56.006  | ug/l  | 98       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 72584               | 53.051  | ug/l  | 99       |
| 37) Ethyl Acetate            | 4.715          | 43   | 92982               | 52.741  | ug/l  | 98       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 76313               | 54.939  | ug/l  | 99       |
| 39) Methylcyclohexane        | 7.373          | 83   | 94279               | 57.508  | ug/l  | 96       |
| 40) Benzene                  | 6.031          | 78   | 221759              | 51.328  | ug/l  | 99       |

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 ALS Vial : 7 Sample Multiplier: 1

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 MSVOA\_X  
 ClientSampleId :  
 RW09-MW01S-20250320MS

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 03/28/2025  
 Supervised By :Mahesh Dadoda 03/28/2025

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 51231    | 53.741   | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 89573    | 57.574   | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 140624   | 53.941   | ug/l   | 99       |
| 44) Trichloroethene           | 7.117  | 130  | 50320    | 49.602   | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 56209    | 50.601   | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 42664    | 54.339   | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.818  | 83   | 82942    | 53.857   | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 73888    | 56.494   | ug/l   | 93       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 27605    | 1000.591 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 485045   | 277.099  | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 134202   | 52.942   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 74011    | 57.485   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 83643    | 55.713   | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 54177    | 51.916   | ug/l   | 95       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 86460    | 54.505   | ug/l   | 91       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 93794    | 51.936   | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 354561   | 279.563  | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.519  | 129  | 59348    | 54.391   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 55467    | 53.243   | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 43935    | 53.180   | ug/l   | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 144357   | 52.887   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 48973    | 53.877   | ug/l   | 97       |
| 67) Ethyl Benzene             | 10.189 | 91   | 261313   | 54.944   | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 191289   | 109.870  | ug/l   | 95       |
| 69) o-Xylene                  | 10.640 | 106  | 94995    | 54.099   | ug/l   | 97       |
| 70) Styrene                   | 10.652 | 104  | 159320   | 56.074   | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 37451    | 54.637   | ug/l # | 97       |
| 73) Isopropylbenzene          | 10.957 | 105  | 250437   | 55.108   | ug/l   | 98       |
| 74) N-amyl acetate            | 10.841 | 43   | 119273   | 55.933   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 84652    | 50.761   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 70459m   | 51.994   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 55160    | 51.444   | ug/l   | 93       |
| 78) n-propylbenzene           | 11.305 | 91   | 293737   | 57.219   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 175537   | 53.691   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 206424   | 56.177   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 21420    | 54.092   | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 200691   | 56.323   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 202565   | 53.652   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 206804   | 55.934   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 254610   | 56.298   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 208162   | 56.955   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 99559    | 52.049   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 99011    | 51.163   | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 186985   | 59.401   | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 36501    | 55.214   | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 100191   | 52.215   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 19120    | 58.851   | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 56512    | 51.723   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 24074    | 53.744   | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 211704   | 50.432   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 59088    | 51.264   | ug/l   | 99       |

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Quant Title : SW846 8260  
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| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

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