

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030625\  
 Data File : VX045163.D  
 Acq On : 06 Mar 2025 13:09  
 Operator : JC/MD  
 Sample : Q1501-05MS  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BR-05-465-030525MS

Quant Time: Mar 07 00:40:49 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 03/10/2025  
 Supervised By : Mahesh Dadoda 03/10/2025

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 5.543  | 168   | 101112   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757  | 114   | 179083   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 156313   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018 | 152   | 67219    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.952  | 65    | 82650    | 51.389   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | = 102.780% |          |
| 35) Dibromofluoromethane     | 0.000  | 113   | 0d       | 0.000    | ug/l       |          |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 0.000%#  |          |
| 50) Toluene-d8               | 8.646  | 98    | 230975   | 53.204   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | = 106.400% |          |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 78735    | 54.731   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | = 109.460% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166  | 85    | 60860    | 47.817   | ug/l       | 98       |
| 3) Chloromethane             | 1.306  | 50    | 74253    | 47.672   | ug/l       | 95       |
| 4) Vinyl Chloride            | 1.373  | 62    | 73181    | 47.362   | ug/l       | 96       |
| 5) Bromomethane              | 1.593  | 94    | 28933    | 47.633   | ug/l       | 96       |
| 6) Chloroethane              | 1.666  | 64    | 39700    | 55.703   | ug/l       | 98       |
| 7) Trichlorofluoromethane    | 1.873  | 101   | 103012   | 50.360   | ug/l       | 100      |
| 8) Diethyl Ether             | 2.129  | 74    | 36356    | 45.441   | ug/l       | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 2.318  | 101   | 60302    | 51.313   | ug/l       | 99       |
| 10) Methyl Iodide            | 2.440  | 142   | 78618    | 53.532   | ug/l       | 98       |
| 11) Tert butyl alcohol       | 2.983  | 59    | 59207    | 194.348  | ug/l       | 100      |
| 12) 1,1-Dichloroethene       | 2.312  | 96    | 86935    | 69.970   | ug/l       | 94       |
| 13) Acrolein                 | 2.239  | 56    | 17262    | 49.018   | ug/l       | 98       |
| 14) Allyl chloride           | 2.654  | 41    | 112939   | 51.066   | ug/l       | 97       |
| 15) Acrylonitrile            | 3.062  | 53    | 199269   | 244.058  | ug/l       | 99       |
| 16) Acetone                  | 2.385  | 43    | 266010   | 356.478  | ug/l       | 100      |
| 17) Carbon Disulfide         | 2.501  | 76    | 102631   | 31.014   | ug/l       | 97       |
| 18) Methyl Acetate           | 2.708  | 43    | 9884     | 5.506    | ug/l       | 98       |
| 19) Methyl tert-butyl Ether  | 3.117  | 73    | 208471   | 50.012   | ug/l       | 99       |
| 20) Methylene Chloride       | 2.782  | 84    | 70867    | 47.942   | ug/l       | 97       |
| 21) trans-1,2-Dichloroethene | 3.086  | 96    | 62346    | 50.793   | ug/l       | 96       |
| 22) Diisopropyl ether        | 3.763  | 45    | 220358   | 48.991   | ug/l #     | 86       |
| 24) 1,1-Dichloroethane       | 3.605  | 63    | 126603   | 50.224   | ug/l       | 99       |
| 25) 2-Butanone               | 4.556  | 43    | 325439   | 289.732  | ug/l       | 99       |
| 26) 2,2-Dichloropropane      | 4.470  | 77    | 80790    | 68.329   | ug/l       | 97       |
| 27) cis-1,2-Dichloroethene   | 4.483  | 96    | 76731    | 50.639   | ug/l       | 96       |
| 28) Bromochloromethane       | 4.897  | 49    | 62516    | 52.031   | ug/l       | 99       |
| 29) Tetrahydrofuran          | 5.007  | 42    | 191259   | 253.553  | ug/l       | 99       |
| 30) Chloroform               | 5.092  | 83    | 125714   | 50.192   | ug/l       | 97       |
| 31) Cyclohexane              | 5.464  | 56    | 109491   | 50.038   | ug/l       | 97       |
| 32) 1,1,1-Trichloroethane    | 5.379  | 97    | 100914   | 49.885   | ug/l       | 98       |
| 36) 1,1-Dichloropropene      | 5.684  | 75    | 83195    | 50.660   | ug/l       | 98       |
| 38) Carbon Tetrachloride     | 5.671  | 117   | 83458    | 50.057   | ug/l       | 99       |
| 39) Methylcyclohexane        | 7.378  | 83    | 103797   | 52.749   | ug/l       | 99       |
| 40) Benzene                  | 6.031  | 78    | 268012   | 51.682   | ug/l       | 99       |
| 41) Methacrylonitrile        | 4.915  | 41    | 62416    | 54.549   | ug/l       | 99       |
| 42) 1,2-Dichloroethane       | 6.080  | 62    | 96342    | 51.592   | ug/l       | 99       |

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 BR-05-465-030525MS

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 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 03/10/2025  
 Supervised By : Mahesh Dadoda 03/10/2025

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 44) Trichloroethene           | 7.122  | 130  | 115549   | 94.894  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 68277    | 51.209  | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 49559    | 52.588  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.817  | 83   | 76414    | 41.338  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 30248    | 913.440 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 568444   | 270.554 | ug/l   | 100      |
| 52) Toluene                   | 8.713  | 92   | 188456   | 61.939  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 84014    | 54.366  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 96507    | 53.555  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 9.152  | 97   | 29577    | 23.613  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 111722   | 51.541  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 248600   | 267.664 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 417312   | 274.135 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.518  | 129  | 60250    | 46.004  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 64009    | 51.190  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.268  | 164  | 89022    | 88.922  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.079 | 112  | 170804   | 51.641  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131  | 50008    | 45.401  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 306222   | 53.134  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 226689   | 107.448 | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 111494   | 52.398  | ug/l   | 100      |
| 70) Styrene                   | 10.652 | 104  | 186579   | 54.191  | ug/l   | 100      |
| 71) Bromoform                 | 10.798 | 173  | 40798    | 49.118  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 285788   | 54.471  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.237 | 75   | 75260m   | 48.104  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 64652    | 52.227  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.304 | 91   | 334012   | 56.356  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.359 | 91   | 196885   | 52.161  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 232590   | 54.826  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 23264    | 50.887  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 222235   | 54.023  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 200520   | 46.003  | ug/l   | 90       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 233112   | 54.611  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 291621   | 55.852  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 234622   | 55.603  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 117796   | 53.341  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 115251   | 51.585  | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.329 | 91   | 210010   | 57.787  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 38828    | 50.874  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 114665   | 51.761  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.938 | 75   | 9203     | 24.536  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 68791    | 54.535  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 28043    | 54.226  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 265803   | 54.845  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 70129    | 52.700  | ug/l   | 97       |

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

