

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031422\  
 Data File : VX027420.D  
 Acq On : 14 Mar 2022 14:50  
 Operator : JC/MD  
 Sample : VX0314WBS02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0314WBS02

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 03/15/2022  
 Supervised By : Mahesh Dadoda 03/15/2022

Quant Time: Mar 15 06:02:42 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X030822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 08 15:54:34 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 303325     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 407394     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 379884     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 228283     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 171697     | 48.540   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = | 97.080%  |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 139590     | 53.101   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = | 106.200% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 482546     | 48.623   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = | 97.240%  |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 186175     | 49.221   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = | 98.440%  |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 56430      | 18.149   | ug/l   | 98       |
| 3) Chloromethane             | 1.295          | 50   | 48455      | 14.820   | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 52253      | 15.550   | ug/l   | 99       |
| 5) Bromomethane              | 1.599          | 94   | 38187      | 25.591   | ug/l   | 99       |
| 6) Chloroethane              | 1.685          | 64   | 35418      | 17.081   | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 92700      | 19.810   | ug/l   | 98       |
| 8) Diethyl Ether             | 2.130          | 74   | 36148      | 19.825   | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 53579      | 17.513   | ug/l   | 96       |
| 10) Methyl Iodide            | 2.453          | 142  | 60162      | 13.932   | ug/l   | 94       |
| 11) Tert butyl alcohol       | 2.959          | 59   | 65646      | 94.667   | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 48865      | 16.614   | ug/l   | 96       |
| 13) Acrolein                 | 2.233          | 56   | 31379      | 64.556   | ug/l   | 95       |
| 14) Allyl chloride           | 2.660          | 41   | 79197      | 17.167   | ug/l   | 90       |
| 15) Acrylonitrile            | 3.062          | 53   | 155600     | 85.262   | ug/l   | 98       |
| 16) Acetone                  | 2.380          | 43   | 140791     | 100.978  | ug/l   | 89       |
| 17) Carbon Disulfide         | 2.508          | 76   | 116052     | 14.524   | ug/l   | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 70473      | 18.124   | ug/l   | 93       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 175714     | 18.032   | ug/l   | 100      |
| 20) Methylene Chloride       | 2.788          | 84   | 57094      | 16.522   | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 52541      | 16.072   | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.757          | 45   | 165226     | 17.916   | ug/l # | 76       |
| 23) Vinyl Acetate            | 3.721          | 43   | 725601     | 94.049   | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 96407      | 17.216   | ug/l   | 97       |
| 25) 2-Butanone               | 4.556          | 43   | 216850     | 89.000   | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 75869      | 18.896   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 63202      | 16.664   | ug/l   | 98       |
| 28) Bromochloromethane       | 4.898          | 49   | 34952      | 15.001   | ug/l   | 99       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 141793     | 87.951   | ug/l   | 90       |
| 30) Chloroform               | 5.093          | 83   | 106406     | 18.003   | ug/l   | 97       |
| 31) Cyclohexane              | 5.471          | 56   | 86803      | 17.544   | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 96959      | 19.194   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 79420      | 21.760   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.715          | 43   | 81986      | 21.310   | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 91390      | 24.215   | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.379          | 83   | 88730      | 19.252   | ug/l   | 94       |
| 40) Benzene                  | 6.038          | 78   | 229511     | 20.646   | ug/l   | 99       |

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 Sample : VX0314WBS02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0314WBS02

Manual Integrations  
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Reviewed By : John Carlone 03/15/2022  
 Supervised By : Mahesh Dadoda 03/15/2022

Quant Time: Mar 15 06:02:42 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X030822W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 08 15:54:34 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 44805    | 21.600  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 90927    | 25.040  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 126604   | 21.830  | ug/l   | 95       |
| 44) Trichloroethene           | 7.123  | 130  | 62212    | 20.376  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 55527    | 19.935  | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 43123    | 21.761  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.824  | 83   | 83248    | 22.747  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.690  | 41   | 64414    | 22.335  | ug/l   | 86       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 31101    | 411.819 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 433268   | 111.586 | ug/l   | 93       |
| 52) Toluene                   | 8.720  | 92   | 147439   | 20.805  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 90346    | 24.060  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 89318    | 21.190  | ug/l # | 87       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 68934    | 23.309  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 98192    | 22.509  | ug/l   | 91       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 104354   | 21.858  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 207810   | 94.352  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.433  | 43   | 344852   | 114.977 | ug/l   | 91       |
| 60) Dibromochloromethane      | 9.519  | 129  | 69822    | 23.132  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 67892    | 22.229  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 60350    | 22.669  | ug/l   | 93       |
| 65) Chlorobenzene             | 10.079 | 112  | 159597   | 19.969  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 60334    | 21.592  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 278729   | 20.223  | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.305 | 106  | 218373   | 40.393  | ug/l   | 97       |
| 69) o-Xylene                  | 10.640 | 106  | 108018   | 20.237  | ug/l   | 98       |
| 70) Styrene                   | 10.659 | 104  | 179664   | 20.278  | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 50483    | 22.122  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.963 | 105  | 285230   | 17.084  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 105461   | 17.283  | ug/l   | 91       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 100248   | 17.473  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 92394m   | 18.447  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 75482    | 17.916  | ug/l   | 95       |
| 78) n-propylbenzene           | 11.305 | 91   | 330253   | 17.585  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 211632   | 18.031  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 259791   | 18.150  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 25554    | 16.500  | ug/l # | 80       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 240027   | 18.077  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 285855   | 19.979  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 283235   | 19.951  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 344416   | 19.959  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 295521   | 20.227  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 159348   | 20.132  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 158663   | 19.799  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.335 | 91   | 238397   | 19.481  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.542 | 117  | 45612    | 20.031  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 158432   | 20.301  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 24592    | 20.458  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 101772   | 19.867  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 45933    | 20.449  | ug/l   | 95       |
| 95) Naphthalene               | 13.774 | 128  | 338633   | 19.691  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 102949   | 20.110  | ug/l   | 96       |

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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) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

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