

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040723\  
 Data File : VX034969.D  
 Acq On : 07 Apr 2023 15:17  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Apr 08 00:54:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032923W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Apr 01 01:50:18 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 04/10/2023  
 Supervised By : Mahesh Dadoda 04/10/2023

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 282758     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 466932     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 424402     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 210003     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 188657     | 43.626   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 87.260%  |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 138336     | 44.792   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 89.580%  |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 511653     | 44.884   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 89.760%# |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 205948     | 46.687   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 93.380%  |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.167          | 85   | 157174     | 55.731   | ug/l   | 98       |
| 3) Chloromethane             | 1.295          | 50   | 171389     | 48.538   | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.374          | 62   | 172840     | 49.436   | ug/l   | 100      |
| 5) Bromomethane              | 1.612          | 94   | 90313      | 39.752   | ug/l   | 99       |
| 6) Chloroethane              | 1.685          | 64   | 97690      | 42.946   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 257275     | 45.773   | ug/l   | 98       |
| 8) Diethyl Ether             | 2.130          | 74   | 99539      | 50.234   | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 154869     | 52.717   | ug/l   | 99       |
| 10) Methyl Iodide            | 2.453          | 142  | 161618     | 44.177   | ug/l   | 93       |
| 11) Tert butyl alcohol       | 2.971          | 59   | 179618m    | 236.736  | ug/l   |          |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 143056     | 49.282   | ug/l   | 95       |
| 13) Acrolein                 | 2.233          | 56   | 203124     | 260.070  | ug/l   | 100      |
| 14) Allyl chloride           | 2.660          | 41   | 288593     | 50.746   | ug/l   | 96       |
| 15) Acrylonitrile            | 3.063          | 53   | 452262     | 264.814  | ug/l   | 99       |
| 16) Acetone                  | 2.380          | 43   | 482037     | 274.398  | ug/l   | 96       |
| 17) Carbon Disulfide         | 2.508          | 76   | 337501     | 46.423   | ug/l   | 100      |
| 18) Methyl Acetate           | 2.697          | 43   | 337402     | 54.056   | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 556581     | 51.787   | ug/l   | 95       |
| 20) Methylene Chloride       | 2.788          | 84   | 165288     | 47.681   | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 158532     | 50.075   | ug/l   | 98       |
| 22) Diisopropyl ether        | 3.751          | 45   | 584709     | 50.956   | ug/l   | 97       |
| 23) Vinyl Acetate            | 3.715          | 43   | 2180634    | 266.460  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 310773     | 50.336   | ug/l   | 99       |
| 25) 2-Butanone               | 4.550          | 43   | 679852     | 266.049  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 263793     | 51.956   | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 188173     | 50.162   | ug/l   | 98       |
| 28) Bromochloromethane       | 4.891          | 49   | 151196     | 50.062   | ug/l   | 100      |
| 29) Tetrahydrofuran          | 4.995          | 42   | 421729     | 263.445  | ug/l   | 99       |
| 30) Chloroform               | 5.087          | 83   | 321139     | 51.211   | ug/l   | 98       |
| 31) Cyclohexane              | 5.465          | 56   | 273568     | 51.954   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 283856     | 53.044   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 238151     | 52.049   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.709          | 43   | 258001     | 53.927   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 239734     | 55.573   | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.379          | 83   | 255329     | 52.551   | ug/l   | 95       |
| 40) Benzene                  | 6.031          | 78   | 664983     | 50.629   | ug/l   | 100      |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/10/2023  
 Supervised By : Mahesh Dadoda 04/10/2023

Quant Time: Apr 08 00:54:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032923W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Apr 01 01:50:18 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.910  | 41   | 145442   | 55.899  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 269926   | 51.692  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.330  | 43   | 430965   | 53.842  | ug/l   | 100      |
| 44) Trichloroethene           | 7.123  | 130  | 174511   | 52.049  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 175395   | 51.245  | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 119986   | 50.951  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.818  | 83   | 240701   | 55.334  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 215955   | 54.939  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.690  | 88   | 77965    | 962.443 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.568  | 43   | 1296572  | 273.703 | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 426210   | 49.768  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 264506   | 56.524  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 284940   | 55.640  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 172171   | 53.118  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 279934   | 55.123  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 303841   | 52.932  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 723408   | 279.764 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 1002080  | 279.678 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 177162   | 57.378  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 181530   | 53.859  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.269  | 164  | 149191   | 49.121  | ug/l   | 95       |
| 65) Chlorobenzene             | 10.080 | 112  | 453412   | 51.348  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 168095   | 55.361  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 838535   | 52.420  | ug/l   | 96       |
| 68) m/p-Xylenes               | 10.299 | 106  | 632623   | 103.531 | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 311776   | 52.084  | ug/l   | 99       |
| 70) Styrene                   | 10.653 | 104  | 524692   | 54.908  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 119350   | 57.793  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.964 | 105  | 817128   | 53.120  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 375437   | 54.283  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 260765   | 51.722  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 224355m  | 53.021  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 190342   | 49.938  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 939787   | 52.886  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 579443   | 51.645  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 685270   | 53.280  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 74432    | 52.717  | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 678534   | 52.079  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 651542   | 53.946  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 683066   | 52.224  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 791969   | 53.900  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 679760   | 55.482  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 361853   | 52.129  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 369884   | 51.019  | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.329 | 91   | 592880   | 55.386  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 107531   | 56.647  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 360412   | 51.843  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 58347    | 55.444  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 218985   | 55.694  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 93550    | 54.094  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 763288   | 54.633  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 217472   | 54.845  | ug/l   | 98       |

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ALS Vial : 10 Sample Multiplier: 1

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MSVOA\_X  
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Manual Integrations  
APPROVED

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Supervised By :Mahesh Dadoda 04/10/2023

Quant Time: Apr 08 00:54:09 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032923W.M  
Quant Title : SW846 8260  
QLast Update : Sat Apr 01 01:50:18 2023  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

