

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011123\  
 Data File : VU052651.D  
 Acq On : 11 Jan 2023 15:17  
 Operator : JC/MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 01/13/2023  
 Supervised By :Mahesh Dadoda 01/13/2023

Quant Time: Jan 12 03:19:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U011123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 12 03:18:11 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.369          | 168  | 237888     | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.247          | 114  | 398933     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 9.414          | 117  | 372659     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.809         | 152  | 195811     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.697          | 65   | 182001     | 49.877   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 99.760%  |        |          |
| 35) Dibromofluoromethane     | 5.285          | 113  | 136290     | 49.201   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 98.400%  |        |          |
| 50) Toluene-d8               | 7.896          | 98   | 528029     | 52.546   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 105.100% |        |          |
| 62) 4-Bromofluorobenzene     | 10.629         | 95   | 195824     | 51.350   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 102.700% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.385          | 85   | 152585     | 41.728   | ug/l   | 99       |
| 3) Chloromethane             | 1.520          | 50   | 201127     | 39.657   | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.604          | 62   | 182039     | 48.038   | ug/l   | 99       |
| 5) Bromomethane              | 1.858          | 94   | 103588     | 74.501   | ug/l   | 95       |
| 6) Chloroethane              | 1.932          | 64   | 105830     | 56.143   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 2.134          | 101  | 230840     | 47.651   | ug/l   | 99       |
| 8) Diethyl Ether             | 2.375          | 74   | 94140      | 52.263   | ug/l   | 93       |
| 9) 1,1,2-Trichlorotrifluo... | 2.578          | 101  | 140141     | 52.837   | ug/l   | 92       |
| 10) Methyl Iodide            | 2.719          | 142  | 146291     | 58.359   | ug/l   | 94       |
| 11) Tert butyl alcohol       | 3.288          | 59   | 173253m    | 206.354  | ug/l   |          |
| 12) 1,1-Dichloroethene       | 2.578          | 96   | 136414     | 52.262   | ug/l   | 90       |
| 13) Acrolein                 | 2.485          | 56   | 202438     | 320.192  | ug/l   | 100      |
| 14) Allyl chloride           | 2.922          | 41   | 270657     | 51.449   | ug/l # | 87       |
| 15) Acrylonitrile            | 3.311          | 53   | 483820     | 236.279  | ug/l   | 99       |
| 16) Acetone                  | 2.636          | 43   | 478763     | 253.546  | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.790          | 76   | 428993     | 52.293   | ug/l   | 100      |
| 18) Methyl Acetate           | 2.948          | 43   | 275243     | 53.677   | ug/l   | 91       |
| 19) Methyl tert-butyl Ether  | 3.359          | 73   | 482058     | 50.079   | ug/l   | 96       |
| 20) Methylene Chloride       | 3.044          | 84   | 168106     | 48.767   | ug/l   | 88       |
| 21) trans-1,2-Dichloroethene | 3.350          | 96   | 149150     | 52.908   | ug/l   | 89       |
| 22) Diisopropyl ether        | 3.986          | 45   | 533343     | 52.943   | ug/l # | 75       |
| 23) Vinyl Acetate            | 3.951          | 43   | 2110112    | 243.597  | ug/l   | 94       |
| 24) 1,1-Dichloroethane       | 3.867          | 63   | 301573     | 52.148   | ug/l   | 99       |
| 25) 2-Butanone               | 4.703          | 43   | 667942     | 240.617  | ug/l   | 92       |
| 26) 2,2-Dichloropropane      | 4.661          | 77   | 235890     | 49.608   | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 4.665          | 96   | 166942     | 51.501   | ug/l   | 87       |
| 28) Bromochloromethane       | 4.970          | 49   | 140650     | 55.264   | ug/l # | 72       |
| 29) Tetrahydrofuran          | 5.050          | 42   | 403236     | 216.141  | ug/l   | 87       |
| 30) Chloroform               | 5.083          | 83   | 287562     | 50.498   | ug/l   | 99       |
| 31) Cyclohexane              | 5.385          | 56   | 288796     | 51.793   | ug/l   | 88       |
| 32) 1,1,1-Trichloroethane    | 5.311          | 97   | 239873     | 49.271   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 5.523          | 75   | 222522     | 54.193   | ug/l   | 96       |
| 37) Ethyl Acetate            | 4.800          | 43   | 249581     | 46.539   | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 5.523          | 117  | 204489     | 48.704   | ug/l   | 99       |
| 39) Methylcyclohexane        | 6.761          | 83   | 267087     | 54.705   | ug/l   | 90       |
| 40) Benzene                  | 5.771          | 78   | 646413     | 52.426   | ug/l   | 99       |

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

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
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Reviewed By :Krupa Patel 01/13/2023  
 Supervised By :Mahesh Dadoda 01/13/2023

Quant Time: Jan 12 03:19:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U011123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 12 03:18:11 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.967  | 41   | 133807   | 48.410  | ug/l # | 86       |
| 42) 1,2-Dichloroethane        | 5.790  | 62   | 230782   | 50.751  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 5.906  | 43   | 370248   | 46.293  | ug/l   | 97       |
| 44) Trichloroethene           | 6.539  | 130  | 151412   | 51.745  | ug/l   | 89       |
| 45) 1,2-Dichloropropane       | 6.787  | 63   | 177381   | 51.873  | ug/l   | 98       |
| 46) Dibromomethane            | 6.915  | 93   | 109992   | 49.070  | ug/l   | 88       |
| 47) Bromodichloromethane      | 7.102  | 83   | 225376   | 51.674  | ug/l   | 99       |
| 48) Methyl methacrylate       | 6.957  | 41   | 172000   | 46.075  | ug/l   | 88       |
| 49) 1,4-Dioxane               | 7.021  | 88   | 68384    | 731.432 | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone      | 7.790  | 43   | 1233094  | 231.111 | ug/l   | 96       |
| 52) Toluene                   | 7.967  | 92   | 395477   | 53.682  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.208  | 75   | 249910   | 53.292  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 7.603  | 75   | 274032   | 54.519  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 8.398  | 97   | 154651   | 51.493  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 8.330  | 69   | 249174   | 50.164  | ug/l   | 92       |
| 57) 1,3-Dichloropropane       | 8.571  | 76   | 284649   | 52.932  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 7.459  | 63   | 41322    | 144.544 | ug/l   | 93       |
| 59) 2-Hexanone                | 8.684  | 43   | 962198   | 228.869 | ug/l   | 96       |
| 60) Dibromochloromethane      | 8.806  | 129  | 161866   | 52.045  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 8.922  | 107  | 161292   | 49.393  | ug/l   | 100      |
| 64) Tetrachloroethene         | 8.552  | 164  | 125377   | 51.976  | ug/l   | 96       |
| 65) Chlorobenzene             | 9.443  | 112  | 399531   | 51.931  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 9.529  | 131  | 145477   | 50.713  | ug/l   | 98       |
| 67) Ethyl Benzene             | 9.568  | 91   | 735801   | 52.229  | ug/l   | 97       |
| 68) m/p-Xylenes               | 9.690  | 106  | 571820   | 108.776 | ug/l   | 94       |
| 69) o-Xylene                  | 10.098 | 106  | 269634   | 52.209  | ug/l   | 93       |
| 70) Styrene                   | 10.111 | 104  | 461736   | 55.341  | ug/l   | 97       |
| 71) Bromoform                 | 10.288 | 173  | 118657   | 48.809  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.481 | 105  | 719575   | 51.787  | ug/l   | 97       |
| 74) N-amyl acetate            | 10.317 | 43   | 320186   | 44.721  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 263936   | 45.488  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.822 | 75   | 297328   | 45.652  | ug/l   | 96       |
| 77) Bromobenzene              | 10.780 | 156  | 163528   | 48.376  | ug/l   | 79       |
| 78) n-propylbenzene           | 10.902 | 91   | 897217   | 52.860  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 10.983 | 91   | 520245   | 50.080  | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 612613   | 50.678  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 10.542 | 75   | 81645    | 46.555  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 11.092 | 91   | 613517   | 52.165  | ug/l   | 93       |
| 83) tert-Butylbenzene         | 11.417 | 119  | 597861   | 50.414  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 609798   | 51.377  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.639 | 105  | 779646   | 52.042  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 11.790 | 119  | 653423   | 53.590  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.742 | 146  | 322412   | 49.526  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 11.832 | 146  | 331266   | 50.234  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.205 | 91   | 587010   | 51.713  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.471 | 117  | 115723   | 48.393  | ug/l   | 80       |
| 91) 1,2-Dichlorobenzene       | 12.208 | 146  | 324103   | 49.591  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.992 | 75   | 58517    | 40.047  | ug/l   | 75       |
| 93) 1,2,4-Trichlorobenzene    | 13.835 | 180  | 202664   | 44.779  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 14.018 | 225  | 99896    | 49.613  | ug/l   | 99       |
| 95) Naphthalene               | 14.082 | 128  | 625380   | 36.455  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 14.323 | 180  | 198896   | 42.304  | ug/l   | 97       |

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ALS Vial : 6 Sample Multiplier: 1

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MSVOA\_U  
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APPROVED

Reviewed By :Krupa Patel 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023

Quant Time: Jan 12 03:19:47 2023  
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Quant Title : SW846 8260  
QLast Update : Thu Jan 12 03:18:11 2023  
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

## Manual Integrations

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