

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU033022\  
 Data File : VU047763.D  
 Acq On : 30 Mar 2022 15:36  
 Operator : SY/MD  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC150

Quant Time: Mar 31 02:23:06 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U033022W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 31 02:19:22 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.375  | 168  | 362738   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.250  | 114  | 539902   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.420  | 117  | 546404   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.816 | 152  | 322946   | 50.000 | ug/l  | # 0.00   |

|                             |        |       |          |          |             |      |
|-----------------------------|--------|-------|----------|----------|-------------|------|
| System Monitoring Compounds |        |       |          |          |             |      |
| 33) 1,2-Dichloroethane-d4   | 5.707  | 65    | 589903   | 113.105  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | = 226.220%# |      |
| 35) Dibromofluoromethane    | 5.292  | 113   | 526660   | 144.618  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 289.240%# |      |
| 50) Toluene-d8              | 7.899  | 98    | 1868680  | 136.223  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | = 272.440%# |      |
| 62) 4-Bromofluorobenzene    | 10.636 | 95    | 809010   | 147.820  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 295.640%# |      |

|                              |       |     |         |         |      |     |
|------------------------------|-------|-----|---------|---------|------|-----|
| Target Compounds             |       |     |         | Qvalue  |      |     |
| 2) Dichlorodifluoromethane   | 1.388 | 85  | 444730  | 100.184 | ug/l | 100 |
| 3) Chloromethane             | 1.523 | 50  | 486967  | 95.064  | ug/l | 98  |
| 4) Vinyl Chloride            | 1.607 | 62  | 490810  | 99.243  | ug/l | 99  |
| 5) Bromomethane              | 1.861 | 94  | 345524  | 124.555 | ug/l | 98  |
| 6) Chloroethane              | 1.938 | 64  | 308950  | 95.099  | ug/l | 97  |
| 7) Trichlorofluoromethane    | 2.144 | 101 | 733338  | 110.407 | ug/l | 98  |
| 8) Diethyl Ether             | 2.379 | 74  | 305644  | 115.794 | ug/l | 99  |
| 9) 1,1,2-Trichlorotrifluo... | 2.581 | 101 | 450054  | 114.732 | ug/l | 99  |
| 10) Methyl Iodide            | 2.726 | 142 | 458592  | 97.606  | ug/l | 99  |
| 11) Tert butyl alcohol       | 3.359 | 59  | 756719m | 693.929 | ug/l |     |
| 12) 1,1-Dichloroethene       | 2.581 | 96  | 423698  | 110.135 | ug/l | 99  |
| 13) Acrolein                 | 2.498 | 56  | 7447    | 55.346  | ug/l | 94  |
| 14) Allyl chloride           | 2.925 | 41  | 639760  | 96.019  | ug/l | 99  |
| 15) Acrylonitrile            | 3.334 | 53  | 1884144 | 664.104 | ug/l | 99  |
| 16) Acetone                  | 2.662 | 43  | 1987199 | 713.016 | ug/l | 99  |
| 17) Carbon Disulfide         | 2.797 | 76  | 1059175 | 99.688  | ug/l | 100 |
| 18) Methyl Acetate           | 2.961 | 43  | 700137  | 80.225  | ug/l | 98  |
| 19) Methyl tert-butyl Ether  | 3.369 | 73  | 1526004 | 111.265 | ug/l | 100 |
| 20) Methylene Chloride       | 3.047 | 84  | 506998  | 109.179 | ug/l | 99  |
| 21) trans-1,2-Dichloroethene | 3.356 | 96  | 466754  | 116.819 | ug/l | 99  |
| 22) Diisopropyl ether        | 3.996 | 45  | 1377793 | 104.511 | ug/l | 96  |
| 23) Vinyl Acetate            | 3.961 | 43  | 6499193 | 628.997 | ug/l | 100 |
| 24) 1,1-Dichloroethane       | 3.874 | 63  | 850123  | 107.600 | ug/l | 99  |
| 25) 2-Butanone               | 4.726 | 43  | 2442496 | 658.576 | ug/l | 98  |
| 26) 2,2-Dichloropropane      | 4.668 | 77  | 775710  | 117.883 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene   | 4.671 | 96  | 567165  | 120.598 | ug/l | 100 |
| 28) Bromochloromethane       | 4.980 | 49  | 347193  | 92.996  | ug/l | 99  |
| 29) Tetrahydrofuran          | 5.067 | 42  | 1556408 | 678.847 | ug/l | 100 |
| 30) Chloroform               | 5.092 | 83  | 903681  | 114.425 | ug/l | 99  |
| 31) Cyclohexane              | 5.391 | 56  | 686824  | 93.987  | ug/l | 98  |
| 32) 1,1,1-Trichloroethane    | 5.321 | 97  | 783625  | 116.951 | ug/l | 99  |
| 36) 1,1-Dichloropropene      | 5.530 | 75  | 663116  | 129.593 | ug/l | 99  |
| 37) Ethyl Acetate            | 4.809 | 43  | 1035470 | 165.638 | ug/l | 97  |
| 38) Carbon Tetrachloride     | 5.530 | 117 | 704729  | 134.622 | ug/l | 100 |
| 39) Methylcyclohexane        | 6.764 | 83  | 800640  | 127.137 | ug/l | 100 |
| 40) Benzene                  | 5.777 | 78  | 1938574 | 127.263 | ug/l | 100 |

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 Acq On : 30 Mar 2022 15:36  
 Operator : SY/MD  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC150

Quant Time: Mar 31 02:23:06 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U033022W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 31 02:19:22 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.980  | 41   | 438860   | 140.801  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 5.797  | 62   | 687678   | 125.248  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 5.916  | 43   | 1276224  | 141.478  | ug/l   | 100      |
| 44) Trichloroethene           | 6.546  | 130  | 564280   | 148.025  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 6.793  | 63   | 519184   | 127.944  | ug/l   | 98       |
| 46) Dibromomethane            | 6.922  | 93   | 373653   | 130.341  | ug/l   | 100      |
| 47) Bromodichloromethane      | 7.108  | 83   | 702591   | 130.064  | ug/l   | 99       |
| 48) Methyl methacrylate       | 6.964  | 41   | 562169   | 134.356  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.089  | 88   | 277455m  | 2517.828 | ug/l   |          |
| 51) 4-Methyl-2-Pentanone      | 7.803  | 43   | 4391447  | 712.029  | ug/l   | 100      |
| 52) Toluene                   | 7.973  | 92   | 1190382  | 125.785  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.214  | 75   | 850327   | 137.690  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 7.610  | 75   | 868762   | 132.900  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 8.404  | 97   | 548220   | 137.858  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 8.340  | 69   | 900935   | 144.399  | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 8.578  | 76   | 894001   | 126.972  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 7.468  | 63   | 441355   | 141.165  | ug/l   | 100      |
| 59) 2-Hexanone                | 8.697  | 43   | 3762470  | 768.952  | ug/l   | 100      |
| 60) Dibromochloromethane      | 8.816  | 129  | 687737   | 163.600  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 8.928  | 107  | 651280   | 151.807  | ug/l   | 99       |
| 64) Tetrachloroethene         | 8.555  | 164  | 468200   | 146.979  | ug/l   | 98       |
| 65) Chlorobenzene             | 9.449  | 112  | 1554653  | 144.853  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 9.539  | 131  | 595675   | 155.138  | ug/l   | 99       |
| 67) Ethyl Benzene             | 9.571  | 91   | 2606692  | 138.387  | ug/l   | 100      |
| 68) m/p-Xylenes               | 9.697  | 106  | 2098673  | 291.958  | ug/l   | 100      |
| 69) o-Xylene                  | 10.102 | 106  | 1051296  | 150.097  | ug/l   | 100      |
| 70) Styrene                   | 10.118 | 104  | 1806414  | 152.912  | ug/l   | 100      |
| 71) Bromoform                 | 10.295 | 173  | 640560   | 191.938  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.488 | 105  | 2757310  | 133.514  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.324 | 43   | 1149395  | 125.564  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 10.787 | 83   | 1115217  | 134.645  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.829 | 75   | 1315670  | 136.264  | ug/l   | 98       |
| 77) Bromobenzene              | 10.783 | 156  | 770607   | 149.854  | ug/l   | 99       |
| 78) n-propylbenzene           | 10.909 | 91   | 3301803  | 129.450  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.989 | 91   | 1929137  | 127.789  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 2396990  | 133.735  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 10.552 | 75   | 407646   | 150.285  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.099 | 91   | 2290127  | 129.297  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.423 | 119  | 2483700  | 145.178  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.472 | 105  | 2360409  | 133.943  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.645 | 105  | 3080039  | 136.726  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.796 | 119  | 2639864  | 139.694  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.748 | 146  | 1496469  | 145.076  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 11.838 | 146  | 1505723  | 144.479  | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.211 | 91   | 2432104  | 134.200  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.478 | 117  | 512009   | 147.745  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.214 | 146  | 1467877  | 146.683  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.999 | 75   | 291360   | 149.273  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 1105875  | 157.396  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 14.021 | 225  | 535178   | 170.650  | ug/l   | 100      |
| 95) Naphthalene               | 14.086 | 128  | 3400853  | 145.282  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 1070785  | 153.360  | ug/l   | 99       |

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Data File : VU047763.D  
Acq On : 30 Mar 2022 15:36  
Operator : SY/MD  
Sample : VSTDICC150  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC150

Quant Time: Mar 31 02:23:06 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U033022W.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 31 02:19:22 2022  
Response via : Initial Calibration

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

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

