

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU063022\  
 Data File : VU049578.D  
 Acq On : 30 Jun 2022 21:05  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 07/01/2022  
 Supervised By :Mahesh Dadoda 07/01/2022

Quant Time: Jul 01 05:28:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U062722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 28 10:35:43 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.372          | 168  | 178063              | 50.000  | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.247          | 114  | 322369              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 9.417          | 117  | 289232              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.812         | 152  | 136425              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.700          | 65   | 146734              | 53.508  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 107.020% |         |        |          |
| 35) Dibromofluoromethane     | 5.288          | 113  | 116408              | 51.614  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 103.220% |         |        |          |
| 50) Toluene-d8               | 7.896          | 98   | 398207              | 49.502  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 99.000%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 10.632         | 95   | 148323              | 48.133  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 96.260%  |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.382          | 85   | 121766              | 42.556  | ug/l   | 99       |
| 3) Chloromethane             | 1.520          | 50   | 155729              | 44.419  | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.600          | 62   | 135406              | 47.004  | ug/l   | 99       |
| 5) Bromomethane              | 1.838          | 94   | 47867               | 53.437  | ug/l   | 99       |
| 6) Chloroethane              | 1.919          | 64   | 76907               | 57.570  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 2.128          | 101  | 162356              | 44.222  | ug/l   | 98       |
| 8) Diethyl Ether             | 2.375          | 74   | 71987               | 54.281  | ug/l   | 85       |
| 9) 1,1,2-Trichlorotrifluo... | 2.575          | 101  | 92155               | 46.653  | ug/l   | 95       |
| 10) Methyl Iodide            | 2.716          | 142  | 137462              | 67.685  | ug/l   | 95       |
| 11) Tert butyl alcohol       | 3.189          | 59   | 211958m             | 330.226 | ug/l   |          |
| 12) 1,1-Dichloroethene       | 2.575          | 96   | 95934               | 49.604  | ug/l   | 91       |
| 13) Acrolein                 | 2.485          | 56   | 47267               | 108.742 | ug/l   | 100      |
| 14) Allyl chloride           | 2.919          | 41   | 201183              | 51.471  | ug/l # | 86       |
| 15) Acrylonitrile            | 3.311          | 53   | 445210              | 288.403 | ug/l   | 99       |
| 16) Acetone                  | 2.626          | 43   | 356365              | 257.691 | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.787          | 76   | 258611              | 42.878  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.948          | 43   | 214917              | 57.410  | ug/l   | 90       |
| 19) Methyl tert-butyl Ether  | 3.362          | 73   | 399837              | 55.587  | ug/l   | 96       |
| 20) Methylene Chloride       | 3.041          | 84   | 130026              | 56.580  | ug/l   | 89       |
| 21) trans-1,2-Dichloroethene | 3.350          | 96   | 105682              | 50.691  | ug/l   | 92       |
| 22) Diisopropyl ether        | 3.989          | 45   | 411545              | 55.147  | ug/l # | 77       |
| 23) Vinyl Acetate            | 3.954          | 43   | 1805134             | 275.974 | ug/l   | 94       |
| 24) 1,1-Dichloroethane       | 3.867          | 63   | 225833              | 52.683  | ug/l   | 100      |
| 25) 2-Butanone               | 4.700          | 43   | 589181              | 284.285 | ug/l   | 95       |
| 26) 2,2-Dichloropropane      | 4.661          | 77   | 137147              | 38.441  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.665          | 96   | 132730              | 55.102  | ug/l   | 92       |
| 28) Bromochloromethane       | 4.973          | 49   | 101264              | 54.044  | ug/l # | 77       |
| 29) Tetrahydrofuran          | 5.050          | 42   | 394585              | 277.534 | ug/l   | 87       |
| 30) Chloroform               | 5.086          | 83   | 222119              | 52.382  | ug/l   | 98       |
| 31) Cyclohexane              | 5.385          | 56   | 173852              | 42.222  | ug/l   | 90       |
| 32) 1,1,1-Trichloroethane    | 5.314          | 97   | 185656              | 50.462  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.523          | 75   | 144832              | 44.288  | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.803          | 43   | 224430              | 50.222  | ug/l # | 95       |
| 38) Carbon Tetrachloride     | 5.523          | 117  | 151507              | 44.175  | ug/l   | 99       |
| 39) Methylcyclohexane        | 6.761          | 83   | 154734              | 39.474  | ug/l   | 89       |
| 40) Benzene                  | 5.774          | 78   | 484391              | 49.060  | ug/l   | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 07/01/2022  
 Supervised By :Mahesh Dadoda 07/01/2022

Quant Time: Jul 01 05:28:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U062722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 28 10:35:43 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.970  | 41   | 118763   | 53.039   | ug/l   | 89       |
| 42) 1,2-Dichloroethane        | 5.793  | 62   | 179206   | 48.767   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 5.909  | 43   | 332217   | 50.736   | ug/l   | 97       |
| 44) Trichloroethene           | 6.542  | 130  | 119172   | 50.774   | ug/l   | 85       |
| 45) 1,2-Dichloropropane       | 6.790  | 63   | 136868   | 50.028   | ug/l   | 100      |
| 46) Dibromomethane            | 6.915  | 93   | 93243    | 51.120   | ug/l   | 89       |
| 47) Bromodichloromethane      | 7.105  | 83   | 176146   | 50.174   | ug/l   | 100      |
| 48) Methyl methacrylate       | 6.957  | 41   | 160027   | 52.150   | ug/l   | 88       |
| 49) 1,4-Dioxane               | 6.973  | 88   | 86832    | 1104.503 | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone      | 7.790  | 43   | 1107129  | 252.642  | ug/l   | 95       |
| 52) Toluene                   | 7.967  | 92   | 287478   | 48.988   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.211  | 75   | 183019   | 48.600   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 7.607  | 75   | 200410   | 49.842   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 8.401  | 97   | 125690   | 51.803   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 8.333  | 69   | 214708   | 52.909   | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 8.574  | 76   | 216590   | 50.322   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 7.462  | 63   | 135071   | 417.611  | ug/l   | 94       |
| 59) 2-Hexanone                | 8.684  | 43   | 860569   | 249.722  | ug/l   | 95       |
| 60) Dibromochloromethane      | 8.809  | 129  | 128570   | 50.957   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 8.922  | 107  | 133622   | 50.536   | ug/l   | 99       |
| 64) Tetrachloroethene         | 8.552  | 164  | 84958    | 45.797   | ug/l   | 94       |
| 65) Chlorobenzene             | 9.446  | 112  | 289336   | 48.932   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 9.533  | 131  | 115879   | 51.949   | ug/l   | 99       |
| 67) Ethyl Benzene             | 9.568  | 91   | 524321   | 48.301   | ug/l   | 97       |
| 68) m/p-Xylenes               | 9.693  | 106  | 393078   | 97.866   | ug/l   | 92       |
| 69) o-Xylene                  | 10.098 | 106  | 198011   | 49.659   | ug/l   | 88       |
| 70) Styrene                   | 10.111 | 104  | 327505   | 51.118   | ug/l   | 95       |
| 71) Bromoform                 | 10.291 | 173  | 98755    | 51.620   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.484 | 105  | 489371   | 50.355   | ug/l   | 96       |
| 74) N-amyl acetate            | 10.320 | 43   | 269981   | 52.489   | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 223454   | 54.280   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 10.822 | 75   | 242338   | 52.401   | ug/l   | 99       |
| 77) Bromobenzene              | 10.780 | 156  | 122357   | 51.580   | ug/l   | 85       |
| 78) n-propylbenzene           | 10.906 | 91   | 564929   | 47.839   | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 10.986 | 91   | 359410   | 49.400   | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 418987   | 49.384   | ug/l   | 93       |
| 81) trans-1,4-Dichloro-2-b... | 10.545 | 75   | 60584    | 48.377   | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 11.095 | 91   | 402680   | 49.211   | ug/l   | 92       |
| 83) tert-Butylbenzene         | 11.420 | 119  | 410131   | 49.147   | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 418179   | 50.171   | ug/l   | 94       |
| 85) sec-Butylbenzene          | 11.642 | 105  | 473103   | 45.092   | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 11.793 | 119  | 386068   | 45.501   | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 11.745 | 146  | 215092   | 47.428   | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 11.835 | 146  | 217815   | 47.784   | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.208 | 91   | 319884   | 40.727   | ug/l   | 98       |
| 90) Hexachloroethane          | 12.475 | 117  | 73708    | 43.614   | ug/l   | 83       |
| 91) 1,2-Dichlorobenzene       | 12.211 | 146  | 227272   | 49.875   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.995 | 75   | 56766    | 53.776   | ug/l   | 82       |
| 93) 1,2,4-Trichlorobenzene    | 13.838 | 180  | 135913   | 44.638   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 14.021 | 225  | 51721    | 36.590   | ug/l   | 99       |
| 95) Naphthalene               | 14.085 | 128  | 535205   | 50.105   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 146237   | 46.596   | ug/l   | 97       |

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ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
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Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 07/01/2022  
Supervised By :Mahesh Dadoda 07/01/2022

Quant Time: Jul 01 05:28:04 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U062722W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 28 10:35:43 2022  
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

