

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041522\  
 Data File : VX028122.D  
 Acq On : 15 Apr 2022 10:32  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 04/18/2022  
 Supervised By :Semsettin Yesilyurt 04/18/2022

Quant Time: Apr 16 02:22:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041222W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 12 22:07:23 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 198576     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 318289     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 308800     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 178270     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 118845     | 44.114  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = | 88.220% |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 99776      | 47.839  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = | 95.680% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 386343     | 49.668  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = | 99.340% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 144367     | 49.707  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = | 99.420% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 77320      | 40.102  | ug/l   | 100      |
| 3) Chloromethane             | 1.288          | 50   | 85961      | 40.284  | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.374          | 62   | 114819     | 44.757  | ug/l   | 98       |
| 5) Bromomethane              | 1.599          | 94   | 134915     | 49.878  | ug/l   | 100      |
| 6) Chloroethane              | 1.679          | 64   | 109020     | 51.586  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 299528     | 59.534  | ug/l   | 97       |
| 8) Diethyl Ether             | 2.130          | 74   | 102974     | 53.407  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 90747      | 45.338  | ug/l   | 97       |
| 10) Methyl Iodide            | 2.453          | 142  | 95254      | 40.866  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 2.965          | 59   | 129178     | 206.569 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 84124      | 42.919  | ug/l   | 98       |
| 13) Acrolein                 | 2.233          | 56   | 61940      | 185.435 | ug/l   | 97       |
| 14) Allyl chloride           | 2.660          | 41   | 140155     | 40.403  | ug/l # | 87       |
| 15) Acrylonitrile            | 3.062          | 53   | 281840     | 217.498 | ug/l   | 99       |
| 16) Acetone                  | 2.380          | 43   | 313171     | 279.008 | ug/l   | 93       |
| 17) Carbon Disulfide         | 2.508          | 76   | 221149     | 42.935  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.703          | 43   | 124747     | 41.650  | ug/l   | 95       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 329129     | 44.712  | ug/l   | 100      |
| 20) Methylene Chloride       | 2.788          | 84   | 100590     | 44.993  | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 99781      | 42.497  | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.757          | 45   | 319091     | 42.866  | ug/l # | 80       |
| 23) Vinyl Acetate            | 3.721          | 43   | 1466748    | 221.748 | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 175584     | 43.572  | ug/l   | 99       |
| 25) 2-Butanone               | 4.556          | 43   | 451996     | 232.965 | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 165591     | 44.262  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 117781     | 44.501  | ug/l   | 99       |
| 28) Bromochloromethane       | 4.891          | 49   | 80353      | 46.390  | ug/l   | 94       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 268836     | 211.996 | ug/l   | 93       |
| 30) Chloroform               | 5.093          | 83   | 198399     | 44.275  | ug/l   | 97       |
| 31) Cyclohexane              | 5.471          | 56   | 157421     | 42.497  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 179052     | 44.117  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 142749     | 44.845  | ug/l   | 100      |
| 37) Ethyl Acetate            | 4.715          | 43   | 161381     | 43.521  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 157125     | 46.237  | ug/l   | 96       |
| 39) Methylcyclohexane        | 7.379          | 83   | 175581     | 46.662  | ug/l   | 95       |
| 40) Benzene                  | 6.038          | 78   | 416603     | 45.008  | ug/l   | 99       |

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 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Apr 16 02:22:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041222W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 12 22:07:23 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/18/2022  
 Supervised By :Semsettin Yesilyurt 04/18/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 84884    | 43.027  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 157116   | 44.952  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 264508   | 42.816  | ug/l   | 94       |
| 44) Trichloroethene           | 7.123  | 130  | 116526   | 47.342  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 103203   | 44.243  | ug/l   | 95       |
| 46) Dibromomethane            | 7.580  | 93   | 79127    | 45.981  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.824  | 83   | 154382   | 46.418  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.690  | 41   | 119440   | 42.352  | ug/l # | 84       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 56951    | 904.581 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 882269   | 223.992 | ug/l   | 92       |
| 52) Toluene                   | 8.720  | 92   | 293110   | 47.465  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 177208   | 47.172  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 180937   | 46.437  | ug/l # | 85       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 114987   | 45.933  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 180547   | 45.882  | ug/l # | 80       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 189261   | 45.605  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 420260   | 236.624 | ug/l   | 98       |
| 59) 2-Hexanone                | 9.433  | 43   | 734036   | 237.951 | ug/l   | 89       |
| 60) Dibromochloromethane      | 9.525  | 129  | 128900   | 48.168  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 128398   | 47.093  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 116685   | 47.625  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.079 | 112  | 315958   | 46.893  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 117936   | 47.372  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 567768   | 47.852  | ug/l   | 96       |
| 68) m/p-Xylenes               | 10.305 | 106  | 459206   | 92.684  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 224858   | 46.688  | ug/l   | 99       |
| 70) Styrene                   | 10.659 | 104  | 379793   | 40.922  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 97836    | 41.500  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 593847   | 46.891  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 247822   | 45.279  | ug/l # | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 195451   | 44.177  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 185172m  | 46.658  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 145002   | 46.869  | ug/l   | 94       |
| 78) n-propylbenzene           | 11.305 | 91   | 703680   | 47.810  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 415357   | 46.535  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 516218   | 47.187  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 63536    | 45.090  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 487256   | 46.373  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 503135   | 47.535  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 516171   | 48.193  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 642178   | 47.537  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 550511   | 48.093  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 289068   | 47.953  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 297033   | 46.973  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.335 | 91   | 483092   | 49.306  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.542 | 117  | 93282    | 48.501  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 284330   | 47.204  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 43621    | 44.816  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 167918   | 49.854  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 67371    | 49.570  | ug/l   | 94       |
| 95) Naphthalene               | 13.774 | 128  | 587622   | 49.952  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 165812   | 49.744  | ug/l   | 96       |

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Sample : VSTDCCC050  
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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
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Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 04/18/2022  
Supervised By :Semsettin Yesilyurt 04/18/2022

Quant Time: Apr 16 02:22:14 2022  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

