

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051222\  
 Data File : VX028641.D  
 Acq On : 12 May 2022 16:12  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: May 13 02:47:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 12 14:58:53 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 05/13/2022  
 Supervised By : Mahesh Dadoda 05/13/2022

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 213149              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 352055              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 331540              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 169911              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 145433              | 49.776  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 99.560%  |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 118412              | 51.336  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 102.680% |         |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 446941              | 51.394  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 102.780% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.085         | 95   | 168261              | 51.802  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 103.600% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 144200              | 51.666  | ug/l   | 100      |
| 3) Chloromethane             | 1.288          | 50   | 126879              | 48.272  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 140797              | 49.707  | ug/l   | 98       |
| 5) Bromomethane              | 1.599          | 94   | 106999              | 53.845  | ug/l   | 99       |
| 6) Chloroethane              | 1.678          | 64   | 93576               | 52.557  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 225358              | 49.902  | ug/l   | 98       |
| 8) Diethyl Ether             | 2.130          | 74   | 81025               | 49.239  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 115809              | 48.732  | ug/l   | 94       |
| 10) Methyl Iodide            | 2.453          | 142  | 134153              | 47.151  | ug/l   | 94       |
| 11) Tert butyl alcohol       | 2.965          | 59   | 153059              | 246.740 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.318          | 96   | 108297              | 49.092  | ug/l   | 96       |
| 13) Acrolein                 | 2.233          | 56   | 116587              | 243.104 | ug/l   | 98       |
| 14) Allyl chloride           | 2.660          | 41   | 177840              | 50.264  | ug/l   | 91       |
| 15) Acrylonitrile            | 3.062          | 53   | 349047              | 247.951 | ug/l   | 99       |
| 16) Acetone                  | 2.379          | 43   | 300979              | 240.023 | ug/l   | 92       |
| 17) Carbon Disulfide         | 2.507          | 76   | 282325              | 49.371  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 154597              | 49.224  | ug/l   | 95       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 395624              | 50.538  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 124752              | 47.421  | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 122935              | 49.474  | ug/l   | 98       |
| 22) Diisopropyl ether        | 3.757          | 45   | 381691              | 50.482  | ug/l # | 79       |
| 23) Vinyl Acetate            | 3.721          | 43   | 1695658             | 260.146 | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 218569              | 49.725  | ug/l   | 98       |
| 25) 2-Butanone               | 4.556          | 43   | 488777              | 248.324 | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 180664              | 52.421  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 143554              | 49.465  | ug/l   | 100      |
| 28) Bromochloromethane       | 4.897          | 49   | 93200               | 50.373  | ug/l   | 92       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 317082              | 247.832 | ug/l   | 93       |
| 30) Chloroform               | 5.092          | 83   | 239920              | 50.433  | ug/l   | 99       |
| 31) Cyclohexane              | 5.470          | 56   | 204118              | 50.330  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 209403              | 50.422  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 175405              | 50.629  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.714          | 43   | 191079              | 52.805  | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 182585              | 52.368  | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.385          | 83   | 207723              | 52.282  | ug/l   | 94       |
| 40) Benzene                  | 6.037          | 78   | 510727              | 51.294  | ug/l   | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: May 13 02:47:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 12 14:58:53 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/13/2022  
 Supervised By : Mahesh Dadoda 05/13/2022

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 100612   | 51.856   | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 186945   | 50.902   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 298900   | 52.799   | ug/l   | 95       |
| 44) Trichloroethene           | 7.129  | 130  | 139630   | 51.708   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.433  | 63   | 126615   | 50.968   | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 95121    | 51.273   | ug/l   | 92       |
| 47) Bromodichloromethane      | 7.824  | 83   | 180926   | 52.529   | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.696  | 41   | 145078   | 53.050   | ug/l   | 87       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 69328    | 1014.773 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 990458   | 265.615  | ug/l   | 93       |
| 52) Toluene                   | 8.720  | 92   | 334539   | 52.231   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 192217   | 48.531   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 211646   | 54.610   | ug/l # | 90       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 134967   | 51.676   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 211511   | 53.478   | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 226921   | 51.513   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 494972   | 255.618  | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 777704   | 268.442  | ug/l   | 91       |
| 60) Dibromochloromethane      | 9.525  | 129  | 138806   | 54.494   | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 146330   | 53.343   | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 129586   | 51.759   | ug/l   | 97       |
| 65) Chlorobenzene             | 10.079 | 112  | 362067   | 51.478   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 129832   | 52.110   | ug/l   | 100      |
| 67) Ethyl Benzene             | 10.195 | 91   | 649495   | 51.520   | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.305 | 106  | 514550   | 104.837  | ug/l   | 99       |
| 69) o-Xylene                  | 10.646 | 106  | 248246   | 51.372   | ug/l   | 98       |
| 70) Styrene                   | 10.658 | 104  | 424434   | 54.086   | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 99181    | 48.109   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 654441   | 50.790   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.847 | 43   | 272062   | 53.713   | ug/l   | 91       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 220272   | 49.830   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 202922m  | 50.996   | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 156183   | 51.228   | ug/l   | 97       |
| 78) n-propylbenzene           | 11.305 | 91   | 769257   | 51.612   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 457560   | 50.088   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 556138   | 51.798   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 63885    | 48.059   | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 537552   | 50.901   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 533976   | 51.367   | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 557724   | 51.802   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 667158   | 52.030   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 564935   | 52.504   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 307073   | 51.350   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 306004   | 49.334   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.335 | 91   | 493945   | 52.983   | ug/l   | 98       |
| 90) Hexachloroethane          | 12.542 | 117  | 92614    | 53.226   | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 298124   | 50.749   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 47904    | 50.753   | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 175457   | 51.712   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 70011    | 50.792   | ug/l   | 94       |
| 95) Naphthalene               | 13.774 | 128  | 633525   | 52.471   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 173934   | 51.040   | ug/l   | 95       |

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ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :John Carlone 05/13/2022  
Supervised By :Mahesh Dadoda 05/13/2022

Quant Time: May 13 02:47:01 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 12 14:58:53 2022  
Response via : Initial Calibration

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

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

