

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051322\  
 Data File : VX028717.D  
 Acq On : 14 May 2022 07:14  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/16/2022  
 Supervised By : Mahesh Dadoda 05/16/2022

Quant Time: May 16 02:36:08 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) |
|------------------------------|----------------|------|---------------------|---------|-------|----------|
| -----                        |                |      |                     |         |       |          |
| Internal Standards           |                |      |                     |         |       |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 210501              | 50.000  | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 368201              | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 337072              | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 161578              | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 150150              | 52.036  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 104.080% |         |       |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 120983              | 50.150  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 100.300% |         |       |          |
| 50) Toluene-d8               | 8.653          | 98   | 496657              | 54.607  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 109.220% |         |       |          |
| 62) 4-Bromofluorobenzene     | 11.085         | 95   | 164535              | 48.434  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 96.860%  |         |       |          |
| Target Compounds             |                |      |                     |         |       |          |
|                              |                |      |                     |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 139930              | 50.767  | ug/l  | 100      |
| 3) Chloromethane             | 1.288          | 50   | 131987              | 50.847  | ug/l  | 98       |
| 4) Vinyl Chloride            | 1.373          | 62   | 139561              | 49.890  | ug/l  | 100      |
| 5) Bromomethane              | 1.605          | 94   | 87374               | 43.445  | ug/l  | 98       |
| 6) Chloroethane              | 1.684          | 64   | 92623               | 52.681  | ug/l  | 100      |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 223208              | 50.048  | ug/l  | 99       |
| 8) Diethyl Ether             | 2.135          | 74   | 83468               | 51.362  | ug/l  | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 115596              | 49.254  | ug/l  | 95       |
| 10) Methyl Iodide            | 2.452          | 142  | 110874              | 39.459  | ug/l  | 96       |
| 11) Tert butyl alcohol       | 3.007          | 59   | 143328              | 233.532 | ug/l  | # 72     |
| 12) 1,1-Dichloroethene       | 2.318          | 96   | 111013              | 50.957  | ug/l  | 96       |
| 13) Acrolein                 | 2.239          | 56   | 116004              | 244.932 | ug/l  | 100      |
| 14) Allyl chloride           | 2.666          | 41   | 174425              | 49.919  | ug/l  | 90       |
| 15) Acrylonitrile            | 3.062          | 53   | 349511              | 251.404 | ug/l  | 98       |
| 16) Acetone                  | 2.379          | 43   | 299538              | 241.879 | ug/l  | 92       |
| 17) Carbon Disulfide         | 2.513          | 76   | 274820              | 48.663  | ug/l  | 99       |
| 18) Methyl Acetate           | 2.702          | 43   | 157915              | 50.913  | ug/l  | 96       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 411299              | 53.201  | ug/l  | 100      |
| 20) Methylene Chloride       | 2.788          | 84   | 128780              | 49.568  | ug/l  | 91       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 123196              | 50.203  | ug/l  | 96       |
| 22) Diisopropyl ether        | 3.763          | 45   | 397245              | 53.200  | ug/l  | 92       |
| 23) Vinyl Acetate            | 3.721          | 43   | 1737778             | 269.962 | ug/l  | 96       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 227883              | 52.496  | ug/l  | 99       |
| 25) 2-Butanone               | 4.556          | 43   | 485669              | 249.849 | ug/l  | 96       |
| 26) 2,2-Dichloropropane      | 4.483          | 77   | 125301              | 36.814  | ug/l  | 99       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 146897              | 51.254  | ug/l  | 96       |
| 28) Bromochloromethane       | 4.903          | 49   | 91602               | 50.132  | ug/l  | 91       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 316529              | 250.512 | ug/l  | 92       |
| 30) Chloroform               | 5.098          | 83   | 242620              | 51.643  | ug/l  | 96       |
| 31) Cyclohexane              | 5.476          | 56   | 202232              | 50.492  | ug/l  | 97       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 210656              | 51.362  | ug/l  | 99       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 176853              | 48.809  | ug/l  | 99       |
| 37) Ethyl Acetate            | 4.714          | 43   | 189999              | 50.204  | ug/l  | 98       |
| 38) Carbon Tetrachloride     | 5.684          | 117  | 180185              | 49.413  | ug/l  | 99       |
| 39) Methylcyclohexane        | 7.385          | 83   | 197649              | 47.565  | ug/l  | 96       |
| 40) Benzene                  | 6.037          | 78   | 520180              | 49.952  | ug/l  | 100      |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/16/2022  
 Supervised By : Mahesh Dadoda 05/16/2022

Quant Time: May 16 02:36:08 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) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 104194   | 51.348  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 192156   | 50.026  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 303875   | 51.324  | ug/l   | 95       |
| 44) Trichloroethene           | 7.128  | 130  | 137643   | 48.737  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.433  | 63   | 131573   | 50.641  | ug/l   | 95       |
| 46) Dibromomethane            | 7.586  | 93   | 97111    | 50.050  | ug/l   | 92       |
| 47) Bromodichloromethane      | 7.823  | 83   | 181767   | 50.459  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.695  | 41   | 146977   | 51.388  | ug/l   | 86       |
| 49) 1,4-Dioxane               | 7.677  | 88   | 59500    | 832.727 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.579  | 43   | 1043539  | 267.578 | ug/l   | 93       |
| 52) Toluene                   | 8.720  | 92   | 363641   | 54.285  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 208398   | 50.249  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 199963   | 49.333  | ug/l # | 88       |
| 55) 1,1,2-Trichloroethane     | 9.152  | 97   | 154581   | 56.591  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 244904   | 59.205  | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 257731   | 55.941  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 505776   | 249.744 | ug/l   | 100      |
| 59) 2-Hexanone                | 9.433  | 43   | 806461   | 266.161 | ug/l   | 91       |
| 60) Dibromochloromethane      | 9.524  | 129  | 152594   | 57.280  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 160777   | 56.040  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.274  | 164  | 131781   | 51.772  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.079 | 112  | 353372   | 49.417  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 129749   | 51.222  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 641397   | 50.043  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.305 | 106  | 492162   | 98.629  | ug/l   | 99       |
| 69) o-Xylene                  | 10.646 | 106  | 239947   | 48.840  | ug/l   | 96       |
| 70) Styrene                   | 10.658 | 104  | 404839   | 50.742  | ug/l   | 98       |
| 71) Bromoform                 | 10.805 | 173  | 91502    | 43.827  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 630877   | 51.486  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.847 | 43   | 264423   | 54.898  | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 213608   | 50.815  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 183851m  | 48.586  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 149084   | 51.422  | ug/l   | 96       |
| 78) n-propylbenzene           | 11.305 | 91   | 723648   | 51.056  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 436744   | 50.275  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 530317   | 51.941  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 48324    | 39.019  | ug/l # | 84       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 507879   | 50.571  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 523630   | 52.970  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 531928   | 51.954  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 624229   | 51.192  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 526227   | 51.429  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 280819   | 49.382  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 285124   | 48.339  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.335 | 91   | 441004   | 49.744  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.542 | 117  | 82906    | 50.104  | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 278407   | 49.836  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 46192    | 51.463  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 164981   | 51.133  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 61172    | 46.668  | ug/l   | 95       |
| 95) Naphthalene               | 13.774 | 128  | 633393   | 55.165  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 166501   | 51.379  | ug/l   | 97       |

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ALS Vial : 54 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
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Manual Integrations  
APPROVED

Reviewed By :John Carlone 05/16/2022  
Supervised By :Mahesh Dadoda 05/16/2022

Quant Time: May 16 02:36:08 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

