

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX071122\  
 Data File : VX030008.D  
 Acq On : 11 Jul 2022 19:51  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 07/12/2022  
 Supervised By :Mahesh Dadoda 07/12/2022

Quant Time: Jul 12 02:05:25 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062822W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 05:54:51 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 180570              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 316063              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 282271              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 137885              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 108933              | 47.658  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 95.320%  |         |        |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 101296              | 51.283  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 102.560% |         |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 379872              | 51.265  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 102.520% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.085         | 95   | 139553              | 53.278  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 106.560% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 79700               | 45.261  | ug/l   | 98       |
| 3) Chloromethane             | 1.288          | 50   | 82669               | 40.747  | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.374          | 62   | 94006               | 46.587  | ug/l   | 100      |
| 5) Bromomethane              | 1.599          | 94   | 30655               | 27.573  | ug/l   | 98       |
| 6) Chloroethane              | 1.678          | 64   | 54329               | 46.508  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.880          | 101  | 127283              | 49.139  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 56578               | 48.728  | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 87182               | 48.142  | ug/l   | 97       |
| 10) Methyl Iodide            | 2.447          | 142  | 80260               | 33.008  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 2.989          | 59   | 157688              | 263.794 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.312          | 96   | 87260               | 46.924  | ug/l   | 95       |
| 13) Acrolein                 | 2.239          | 56   | 47949               | 169.558 | ug/l   | 99       |
| 14) Allyl chloride           | 2.666          | 41   | 158831              | 46.280  | ug/l   | 97       |
| 15) Acrylonitrile            | 3.068          | 53   | 342136              | 245.167 | ug/l   | 99       |
| 16) Acetone                  | 2.386          | 43   | 270460              | 241.862 | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.508          | 76   | 201091              | 43.488  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.709          | 43   | 173350              | 50.283  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 312002              | 49.694  | ug/l   | 97       |
| 20) Methylene Chloride       | 2.788          | 84   | 104714              | 44.340  | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 94346               | 46.256  | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.770          | 45   | 326482              | 47.075  | ug/l   | 87       |
| 23) Vinyl Acetate            | 3.727          | 43   | 1408775             | 234.865 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 175550              | 47.997  | ug/l   | 100      |
| 25) 2-Butanone               | 4.562          | 43   | 469205              | 241.748 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.483          | 77   | 104233              | 43.420  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 116823              | 48.511  | ug/l   | 96       |
| 28) Bromochloromethane       | 4.903          | 49   | 65822               | 44.901  | ug/l   | 96       |
| 29) Tetrahydrofuran          | 5.013          | 42   | 310899              | 243.409 | ug/l   | 99       |
| 30) Chloroform               | 5.099          | 83   | 177982              | 49.625  | ug/l   | 100      |
| 31) Cyclohexane              | 5.477          | 56   | 145957              | 45.798  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 144712              | 50.670  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 122634              | 46.681  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.721          | 43   | 171457              | 47.720  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 120638              | 52.996  | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.385          | 83   | 153616              | 48.362  | ug/l   | 97       |
| 40) Benzene                  | 6.044          | 78   | 409088              | 48.158  | ug/l   | 100      |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 07/12/2022  
 Supervised By :Mahesh Dadoda 07/12/2022

Quant Time: Jul 12 02:05:25 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062822W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 29 05:54:51 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 92010    | 48.172   | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 126699   | 48.597   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 265235   | 49.022   | ug/l   | 99       |
| 44) Trichloroethene           | 7.129  | 130  | 111039   | 48.537   | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 108244   | 48.236   | ug/l   | 99       |
| 46) Dibromomethane            | 7.586  | 93   | 73990    | 50.402   | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.824  | 83   | 142988   | 54.341   | ug/l   | 93       |
| 48) Methyl methacrylate       | 7.696  | 41   | 126743   | 49.407   | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.671  | 88   | 68016    | 1119.692 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 901013   | 252.545  | ug/l   | 100      |
| 52) Toluene                   | 8.720  | 92   | 255614   | 49.866   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 148848   | 53.084   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 163067   | 51.463   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 112182   | 50.232   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 177878   | 50.518   | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 178466   | 49.672   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 357845   | 212.983  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.433  | 43   | 705162   | 254.687  | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.525  | 129  | 114185   | 57.869   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.616  | 107  | 114616   | 50.222   | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 109523   | 64.327   | ug/l   | 97       |
| 65) Chlorobenzene             | 10.079 | 112  | 274944   | 48.523   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 100764   | 53.223   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 484580   | 49.168   | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.305 | 106  | 380937   | 100.780  | ug/l   | 98       |
| 69) o-Xylene                  | 10.646 | 106  | 190005   | 49.627   | ug/l   | 100      |
| 70) Styrene                   | 10.659 | 104  | 320747   | 50.682   | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 85225    | 63.109   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 484863   | 48.597   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.848 | 43   | 241522   | 48.893   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 179529   | 45.706   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 161873m  | 49.041   | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 118186   | 49.249   | ug/l   | 96       |
| 78) n-propylbenzene           | 11.305 | 91   | 571974   | 48.607   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 337785   | 48.283   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 400366   | 48.337   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 56116    | 53.991   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 381433   | 47.856   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 389440   | 47.443   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 407440   | 49.106   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 522910   | 50.552   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 419466   | 50.807   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 224692   | 48.766   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 224730   | 47.801   | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.335 | 91   | 381771   | 49.193   | ug/l   | 99       |
| 90) Hexachloroethane          | 12.542 | 117  | 74577    | 55.374   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 227844   | 50.336   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 44240    | 53.899   | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 142527   | 51.959   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 54748    | 53.954   | ug/l   | 98       |
| 95) Naphthalene               | 13.780 | 128  | 596671   | 53.577   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 147394   | 52.487   | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 07/12/2022  
Supervised By :Mahesh Dadoda 07/12/2022

Quant Time: Jul 12 02:05:25 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062822W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 29 05:54:51 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

