

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051822\  
 Data File : VX028811.D  
 Acq On : 18 May 2022 17:32  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/19/2022  
 Supervised By : Mahesh Dadoda 05/19/2022

Quant Time: May 19 01:36:16 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  | 222587     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 365351     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 336595     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 174996     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 148678     | 48.729   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = | 97.460%  |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 121835     | 50.898   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = | 101.800% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 452630     | 50.154   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = | 100.300% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 175788     | 52.150   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = | 104.300% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 136920     | 46.978   | ug/l   | 98       |
| 3) Chloromethane             | 1.288          | 50   | 127345     | 46.395   | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.374          | 62   | 140191     | 47.394   | ug/l   | 99       |
| 5) Bromomethane              | 1.599          | 94   | 85524      | 39.753   | ug/l   | 99       |
| 6) Chloroethane              | 1.678          | 64   | 96687      | 51.977   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 267637     | 56.751   | ug/l   | 98       |
| 8) Diethyl Ether             | 2.130          | 74   | 89898      | 52.315   | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 140870     | 56.764   | ug/l   | 98       |
| 10) Methyl Iodide            | 2.447          | 142  | 167960     | 56.530   | ug/l   | 92       |
| 11) Tert butyl alcohol       | 2.959          | 59   | 153751     | 237.032  | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 127107     | 55.176   | ug/l   | 97       |
| 13) Acrolein                 | 2.233          | 56   | 106562     | 212.779  | ug/l   | 97       |
| 14) Allyl chloride           | 2.660          | 41   | 200436     | 54.248   | ug/l   | 88       |
| 15) Acrylonitrile            | 3.062          | 53   | 355342     | 241.720  | ug/l   | 99       |
| 16) Acetone                  | 2.380          | 43   | 333442     | 254.637  | ug/l   | 92       |
| 17) Carbon Disulfide         | 2.508          | 76   | 298717     | 50.022   | ug/l   | 100      |
| 18) Methyl Acetate           | 2.703          | 43   | 173310     | 52.843   | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 412220     | 50.425   | ug/l   | 100      |
| 20) Methylene Chloride       | 2.788          | 84   | 146177     | 53.209   | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 125575     | 48.394   | ug/l   | 99       |
| 22) Diisopropyl ether        | 3.757          | 45   | 381939     | 48.373   | ug/l # | 84       |
| 23) Vinyl Acetate            | 3.721          | 43   | 1681257    | 247.000  | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 223494     | 48.689   | ug/l   | 99       |
| 25) 2-Butanone               | 4.556          | 43   | 469859     | 228.591  | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 182872     | 50.811   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 145257     | 47.930   | ug/l   | 99       |
| 28) Bromochloromethane       | 4.897          | 49   | 92052      | 47.643   | ug/l   | 96       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 304435     | 227.858  | ug/l   | 93       |
| 30) Chloroform               | 5.092          | 83   | 242063     | 48.726   | ug/l   | 97       |
| 31) Cyclohexane              | 5.470          | 56   | 197732     | 46.688   | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 212537     | 49.007   | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 176525     | 49.098   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.708          | 43   | 186102     | 49.558   | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 183421     | 50.693   | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.379          | 83   | 212269     | 51.482   | ug/l   | 97       |
| 40) Benzene                  | 6.037          | 78   | 508165     | 49.179   | ug/l   | 100      |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
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 Supervised By : Mahesh Dadoda 05/19/2022

Quant Time: May 19 01:36:16 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         | 4.916  | 41   | 100507   | 49.917  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 192677   | 50.553  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 297081   | 50.568  | ug/l   | 95       |
| 44) Trichloroethene           | 7.123  | 130  | 142106   | 50.709  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 130112   | 50.469  | ug/l   | 96       |
| 46) Dibromomethane            | 7.580  | 93   | 95185    | 49.440  | ug/l   | 94       |
| 47) Bromodichloromethane      | 7.824  | 83   | 180102   | 50.386  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 144934   | 51.069  | ug/l   | 87       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 61525    | 867.785 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 953786   | 246.472 | ug/l   | 94       |
| 52) Toluene                   | 8.720  | 92   | 334224   | 50.282  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 192607   | 46.916  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 211411   | 52.564  | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 143172   | 52.823  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 225734   | 54.997  | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 229127   | 50.120  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 528833   | 263.166 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 739533   | 245.977 | ug/l   | 91       |
| 60) Dibromochloromethane      | 9.525  | 129  | 137302   | 51.942  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 146519   | 51.468  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 130631   | 51.392  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 361372   | 50.608  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 132501   | 52.382  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 656841   | 51.320  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.305 | 106  | 518107   | 103.976 | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 251072   | 51.177  | ug/l   | 97       |
| 70) Styrene                   | 10.659 | 104  | 422743   | 53.061  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 95582    | 45.761  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 661490   | 49.845  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 264046   | 50.616  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 220570   | 48.448  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 201394m  | 49.142  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 159613   | 50.832  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 775140   | 50.495  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 465049   | 49.428  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 565982   | 51.184  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 59813    | 44.040  | ug/l # | 85       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 542427   | 49.870  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.719 | 119  | 556749   | 52.002  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 568577   | 51.275  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 697060   | 52.782  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 595605   | 53.746  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 327110   | 53.111  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 308782   | 48.335  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.335 | 91   | 516567   | 53.799  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.542 | 117  | 95109    | 53.072  | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 307561   | 50.834  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 47955    | 49.330  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 185575   | 53.105  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 78152    | 55.050  | ug/l   | 91       |
| 95) Naphthalene               | 13.774 | 128  | 650531   | 52.314  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 209486   | 59.687  | ug/l   | 95       |

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QLast Update : Thu May 12 14:58:53 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

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