

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061923\  
 Data File : VX036226.D  
 Acq On : 19 Jun 2023 23:07  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jun 20 03:51:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061623W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 16 16:28:40 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 06/20/2023  
 Supervised By : Mahesh Dadoda 06/20/2023

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 5.549          | 168  | 122768               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 249945               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 233025               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 108643               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 145768               | 64.973  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 129.940%# |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 94703                | 55.875  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 111.740%  |         |        |          |
| 50) Toluene-d8               | 8.646          | 98   | 318233               | 51.329  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 102.660%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 132105               | 52.786  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 105.580%  |         |        |          |
| Target Compounds             |                |      |                      |         |        |          |
|                              |                |      |                      |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 58906                | 39.090  | ug/l   | 100      |
| 3) Chloromethane             | 1.294          | 50   | 82730                | 51.889  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.373          | 62   | 72312                | 47.609  | ug/l   | 98       |
| 5) Bromomethane              | 1.617          | 94   | 49231                | 52.729  | ug/l   | 97       |
| 6) Chloroethane              | 1.684          | 64   | 55249                | 56.217  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.885          | 101  | 110488               | 44.950  | ug/l   | 100      |
| 8) Diethyl Ether             | 2.129          | 74   | 55605                | 60.777  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 62790                | 44.794  | ug/l   | 97       |
| 10) Methyl Iodide            | 2.452          | 142  | 93909                | 64.973  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 2.983          | 59   | 110411               | 321.910 | ug/l # | 92       |
| 12) 1,1-Dichloroethene       | 2.318          | 96   | 67456                | 50.890  | ug/l   | 96       |
| 13) Acrolein                 | 2.239          | 56   | 115352               | 302.846 | ug/l   | 99       |
| 14) Allyl chloride           | 2.666          | 41   | 155627               | 58.025  | ug/l   | 96       |
| 15) Acrylonitrile            | 3.068          | 53   | 284587               | 324.352 | ug/l   | 99       |
| 16) Acetone                  | 2.385          | 43   | 285118               | 305.886 | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.513          | 76   | 161931               | 49.424  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.702          | 43   | 236355               | 66.859  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 341609               | 65.833  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 96866                | 57.359  | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 81332                | 55.225  | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.757          | 45   | 337432               | 63.223  | ug/l   | 95       |
| 23) Vinyl Acetate            | 3.721          | 43   | 1292619              | 341.723 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 172928               | 58.643  | ug/l   | 100      |
| 25) 2-Butanone               | 4.562          | 43   | 414921               | 317.964 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.476          | 77   | 105515               | 46.014  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 103183               | 61.269  | ug/l   | 98       |
| 28) Bromochloromethane       | 4.897          | 49   | 101318               | 65.911  | ug/l   | 94       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 270151               | 325.965 | ug/l   | 98       |
| 30) Chloroform               | 5.092          | 83   | 187443               | 60.357  | ug/l   | 99       |
| 31) Cyclohexane              | 5.470          | 56   | 106569               | 44.279  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 146276               | 55.556  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 109902               | 44.019  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.714          | 43   | 163429               | 56.183  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.677          | 117  | 111265               | 45.843  | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.378          | 83   | 98791                | 36.740  | ug/l   | 97       |
| 40) Benzene                  | 6.037          | 78   | 359883               | 51.258  | ug/l   | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
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Reviewed By : John Carlone 06/20/2023  
 Supervised By : Mahesh Dadoda 06/20/2023

Quant Time: Jun 20 03:51:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061623W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 16 16:28:40 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.915  | 41   | 90791    | 56.613   | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 177803   | 56.214   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 270473   | 60.758   | ug/l   | 99       |
| 44) Trichloroethene           | 7.128  | 130  | 84763    | 48.312   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 101428   | 54.338   | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 76627    | 57.626   | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.823  | 83   | 145485   | 56.990   | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.689  | 41   | 135572   | 59.359   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.695  | 88   | 44891    | 1173.935 | ug/l # | 99       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 833494   | 296.523  | ug/l   | 98       |
| 52) Toluene                   | 8.720  | 92   | 223914   | 50.938   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 154261   | 58.666   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 159567   | 56.588   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 9.152  | 97   | 101098   | 55.710   | ug/l   | 94       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 166644   | 60.790   | ug/l   | 92       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 180480   | 55.905   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 449918   | 297.775  | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 631203   | 302.049  | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.518  | 129  | 101660   | 57.395   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 108584   | 57.387   | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.274  | 164  | 63251    | 43.627   | ug/l   | 97       |
| 65) Chlorobenzene             | 10.079 | 112  | 237498   | 49.185   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.164 | 131  | 91071    | 54.653   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 420707   | 48.785   | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 316655   | 97.325   | ug/l   | 97       |
| 69) o-Xylene                  | 10.640 | 106  | 160619   | 50.037   | ug/l   | 97       |
| 70) Styrene                   | 10.652 | 104  | 273866   | 51.202   | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 64264    | 56.019   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 386143   | 47.899   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 232796   | 63.904   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 160046   | 57.980   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.237 | 75   | 137679m  | 53.397   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 98811    | 52.316   | ug/l   | 94       |
| 78) n-propylbenzene           | 11.305 | 91   | 445670   | 46.994   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.365 | 91   | 295310   | 49.508   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 332231   | 48.398   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 43649    | 59.254   | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 348764   | 50.182   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 304483   | 46.658   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 341456   | 49.870   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 355553   | 43.756   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 306434   | 44.823   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 176809   | 49.087   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 182885   | 49.569   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 260527   | 42.701   | ug/l   | 98       |
| 90) Hexachloroethane          | 12.536 | 117  | 51464    | 47.991   | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 182478   | 51.618   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.938 | 75   | 37393    | 61.417   | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 96045    | 47.928   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 28881    | 36.457   | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 378828   | 54.805   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.956 | 180  | 95213    | 47.380   | ug/l   | 98       |

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ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
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VSTDCCC050EC

Manual Integrations  
APPROVED

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Quant Time: Jun 20 03:51:52 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061623W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 16 16:28:40 2023  
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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