

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092524\  
 Data File : VX043162.D  
 Acq On : 25 Sep 2024 18:39  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 09/26/2024  
 Supervised By : Mahesh Dadoda 09/26/2024

Quant Time: Sep 26 01:40:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092324W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 24 03:13:52 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 103507              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 188311              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 169831              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 83372               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 89596               | 52.112  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 104.220% |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 66532               | 50.084  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 100.160% |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 224826              | 50.025  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 100.040% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 92677               | 51.205  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 102.420% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 52729               | 47.770  | ug/l   | 98       |
| 3) Chloromethane             | 1.300          | 50   | 53322               | 47.315  | ug/l   | 96       |
| 4) Vinyl Chloride            | 1.374          | 62   | 57130               | 49.907  | ug/l   | 98       |
| 5) Bromomethane              | 1.599          | 94   | 31109               | 47.237  | ug/l   | 99       |
| 6) Chloroethane              | 1.685          | 64   | 37052               | 50.554  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 99135               | 48.789  | ug/l   | 98       |
| 8) Diethyl Ether             | 2.136          | 74   | 35956               | 52.706  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 58244               | 50.785  | ug/l   | 97       |
| 10) Methyl Iodide            | 2.453          | 142  | 68860               | 50.517  | ug/l   | 100      |
| 11) Tert butyl alcohol       | 2.965          | 59   | 98981               | 257.845 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 55566               | 50.653  | ug/l   | 99       |
| 13) Acrolein                 | 2.239          | 56   | 12112               | 239.488 | ug/l   | 90       |
| 14) Allyl chloride           | 2.666          | 41   | 99243               | 48.721  | ug/l   | 100      |
| 15) Acrylonitrile            | 3.062          | 53   | 178867              | 268.615 | ug/l   | 98       |
| 16) Acetone                  | 2.380          | 43   | 167015              | 207.717 | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.514          | 76   | 122089              | 44.774  | ug/l   | 98       |
| 18) Methyl Acetate           | 2.703          | 43   | 125645              | 58.058  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 216640              | 51.829  | ug/l   | 98       |
| 20) Methylene Chloride       | 2.788          | 84   | 63755               | 49.839  | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 57192               | 50.386  | ug/l   | 94       |
| 22) Diisopropyl ether        | 3.763          | 45   | 198419              | 52.022  | ug/l   | 99       |
| 23) Vinyl Acetate            | 3.721          | 43   | 1169708             | 260.702 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 115300              | 52.285  | ug/l   | 99       |
| 25) 2-Butanone               | 4.556          | 43   | 257945              | 248.867 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 105987              | 47.486  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 72946               | 51.622  | ug/l   | 99       |
| 28) Bromochloromethane       | 4.897          | 49   | 48360               | 49.818  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 160624              | 257.686 | ug/l   | 100      |
| 30) Chloroform               | 5.092          | 83   | 123242              | 50.686  | ug/l   | 99       |
| 31) Cyclohexane              | 5.470          | 56   | 82873               | 49.013  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 113759              | 49.391  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 78946               | 48.365  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.715          | 43   | 97610               | 47.608  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 96442               | 45.866  | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.379          | 83   | 90924               | 44.385  | ug/l   | 99       |
| 40) Benzene                  | 6.037          | 78   | 234149              | 48.614  | ug/l   | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Sep 26 01:40:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092324W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 24 03:13:52 2024  
 Response via : Initial Calibration

Manual Integrations  
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Reviewed By : John Carlone 09/26/2024  
 Supervised By : Mahesh Dadoda 09/26/2024

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 54247    | 53.220   | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 99154    | 48.482   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 169019   | 49.355   | ug/l   | 100      |
| 44) Trichloroethene           | 7.123  | 130  | 62670    | 47.554   | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 59812    | 49.855   | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 49121    | 48.625   | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.818  | 83   | 102702   | 48.891   | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.690  | 41   | 82586    | 49.098   | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 32357    | 1019.001 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 521271   | 247.774  | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 150951   | 48.665   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 103388   | 47.945   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 105209   | 48.854   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 63648    | 49.836   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 110145   | 49.562   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 106768   | 49.151   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 232226   | 258.432  | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 402745   | 244.826  | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 78929    | 47.324   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 67324    | 48.177   | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 53364    | 43.368   | ug/l   | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 171452   | 46.798   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 66069    | 48.891   | ug/l   | 97       |
| 67) Ethyl Benzene             | 10.195 | 91   | 301594   | 47.589   | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 221046   | 93.725   | ug/l   | 97       |
| 69) o-Xylene                  | 10.640 | 106  | 110831   | 46.853   | ug/l   | 100      |
| 70) Styrene                   | 10.652 | 104  | 191981   | 48.654   | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 54221    | 45.619   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 294450   | 47.093   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 143434   | 48.824   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 97528    | 48.474   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 85993m   | 48.514   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 72046    | 47.998   | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 337864   | 47.628   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 206415   | 46.392   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 243820   | 47.132   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 34223    | 46.001   | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 238435   | 46.884   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 248139   | 46.549   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 241306   | 46.886   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 303439   | 46.315   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 254162   | 46.727   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 129990   | 47.496   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 131340   | 47.856   | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 227871   | 48.070   | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 49829    | 45.968   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 126666   | 46.995   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 25142    | 46.219   | ug/l   | 100      |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 77192    | 46.194   | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 29810    | 42.459   | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 274749   | 47.303   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 78314    | 47.170   | ug/l   | 99       |

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ALS Vial : 28 Sample Multiplier: 1

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Manual Integrations  
APPROVED

Reviewed By :John Carlone 09/26/2024  
Supervised By :Mahesh Dadoda 09/26/2024

Quant Time: Sep 26 01:40:15 2024  
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Quant Title : SW846 8260  
QLast Update : Tue Sep 24 03:13:52 2024  
Response via : Initial Calibration

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

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

