

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100424\  
 Data File : VX043275.D  
 Acq On : 04 Oct 2024 09:47  
 Operator : JC/MD  
 Sample : VX1004WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1004WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/07/2024  
 Supervised By : Mahesh Dadoda 10/07/2024

Quant Time: Oct 04 23:24:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100124W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 02 16:50:57 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 77673               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 143567              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 129519              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 60274               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 70063               | 55.232  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 110.460% |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 48738               | 49.226  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 98.460%  |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 163591              | 47.678  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 95.360%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 64104               | 51.427  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 102.860% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 16490               | 18.252  | ug/l   | 94       |
| 3) Chloromethane             | 1.295          | 50   | 17198               | 18.482  | ug/l   | 96       |
| 4) Vinyl Chloride            | 1.374          | 62   | 16781               | 18.005  | ug/l   | 98       |
| 5) Bromomethane              | 1.599          | 94   | 7496                | 19.686  | ug/l   | 98       |
| 6) Chloroethane              | 1.666          | 64   | 9328                | 26.875  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.874          | 101  | 27206               | 19.536  | ug/l   | 100      |
| 8) Diethyl Ether             | 2.136          | 74   | 10961               | 20.226  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.319          | 101  | 15909               | 18.306  | ug/l   | 98       |
| 10) Methyl Iodide            | 2.447          | 142  | 19471               | 17.838  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.989          | 59   | 28212               | 116.872 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.313          | 96   | 15283               | 17.710  | ug/l   | 94       |
| 13) Acrolein                 | 2.239          | 56   | 28168               | 123.547 | ug/l   | 99       |
| 14) Allyl chloride           | 2.660          | 41   | 28514               | 20.112  | ug/l   | 98       |
| 15) Acrylonitrile            | 3.069          | 53   | 54824               | 111.225 | ug/l   | 99       |
| 16) Acetone                  | 2.386          | 43   | 60566               | 114.331 | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.508          | 76   | 32531               | 15.498  | ug/l   | 96       |
| 18) Methyl Acetate           | 2.709          | 43   | 32758               | 24.650  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 66733               | 21.614  | ug/l   | 98       |
| 20) Methylene Chloride       | 2.788          | 84   | 19474               | 19.938  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 16067               | 18.707  | ug/l   | 94       |
| 22) Diisopropyl ether        | 3.764          | 45   | 60818               | 21.327  | ug/l   | 87       |
| 23) Vinyl Acetate            | 3.721          | 43   | 368656              | 118.910 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 33615               | 20.234  | ug/l   | 98       |
| 25) 2-Butanone               | 4.568          | 43   | 82617               | 113.742 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 31245               | 19.767  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 21664               | 20.225  | ug/l   | 99       |
| 28) Bromochloromethane       | 4.904          | 49   | 15239               | 23.251  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 51204               | 110.659 | ug/l   | 99       |
| 30) Chloroform               | 5.093          | 83   | 37286               | 20.437  | ug/l   | 100      |
| 31) Cyclohexane              | 5.464          | 56   | 25029               | 18.286  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 31672               | 18.900  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 21833               | 17.455  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.721          | 43   | 31005               | 20.642  | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 25536               | 17.246  | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.379          | 83   | 26053               | 16.561  | ug/l   | 97       |
| 40) Benzene                  | 6.038          | 78   | 71482               | 18.849  | ug/l   | 100      |

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 Sample : VX1004WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1004WBS01

Manual Integrations  
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Reviewed By : John Carlone 10/07/2024  
 Supervised By : Mahesh Dadoda 10/07/2024

Quant Time: Oct 04 23:24:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100124W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 02 16:50:57 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 16612    | 21.246  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 32744    | 21.189  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 51734    | 20.852  | ug/l   | 99       |
| 44) Trichloroethene           | 7.129  | 130  | 17771    | 17.667  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 17700    | 19.019  | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 14836    | 19.894  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.824  | 83   | 28361    | 19.344  | ug/l # | 98       |
| 48) Methyl methacrylate       | 7.696  | 41   | 24911    | 20.464  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 10461    | 442.076 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 159084   | 105.575 | ug/l   | 99       |
| 52) Toluene                   | 8.720  | 92   | 44138    | 18.571  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 29243    | 20.072  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 30007    | 19.203  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 19395    | 20.533  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 32129    | 20.805  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 33373    | 20.744  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 71590    | 102.846 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 124011   | 108.830 | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.519  | 129  | 21191    | 19.338  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 20731    | 20.427  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.269  | 164  | 15116    | 16.820  | ug/l   | 95       |
| 65) Chlorobenzene             | 10.080 | 112  | 50328    | 18.074  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 18341    | 18.628  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 84070    | 17.468  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 64022    | 35.199  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 32423    | 17.939  | ug/l   | 99       |
| 70) Styrene                   | 10.653 | 104  | 55403    | 18.915  | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 13552    | 17.967  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.964 | 105  | 80756    | 17.233  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 41538    | 18.673  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 30727    | 20.128  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 25344m   | 18.957  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 21099    | 18.501  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 88531    | 17.209  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 59418    | 17.966  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 68209    | 17.645  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 8603     | 16.677  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 69666    | 18.491  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 68499    | 17.200  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 68959    | 17.730  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 80774    | 17.109  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 67146    | 17.047  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 36477    | 18.158  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 36947    | 17.839  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.335 | 91   | 54700    | 16.588  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 12069    | 16.338  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 38518    | 18.749  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 6766     | 18.153  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 21396    | 18.065  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 7660     | 16.315  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 77706    | 17.847  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 22016    | 18.016  | ug/l   | 98       |

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Instrument :  
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ClientSampleId :  
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Quant Time: Oct 04 23:24:26 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100124W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 02 16:50:57 2024  
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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