

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX013024\  
 Data File : VX040013.D  
 Acq On : 30 Jan 2024 12:06  
 Operator : JC/MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

Quant Time: Jan 31 05:07:19 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X013024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 31 04:54:04 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 01/31/2024  
 Supervised By : Semsettin Yesilyurt 01/31/2024

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 98080                | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 171067               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 161614               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 82424                | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 140437               | 88.970  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 177.940%# |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 112252               | 96.394  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 192.780%# |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 415820               | 95.482  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 190.960%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 165163               | 98.494  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 196.980%# |         |        |          |
| Target Compounds             |                |      |                      |         |        |          |
|                              |                |      |                      |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.167          | 85   | 118832               | 107.569 | ug/l   | 100      |
| 3) Chloromethane             | 1.295          | 50   | 94487                | 90.188  | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.374          | 62   | 96002                | 99.081  | ug/l   | 100      |
| 5) Bromomethane              | 1.599          | 94   | 96235                | 102.169 | ug/l   | 99       |
| 6) Chloroethane              | 1.673          | 64   | 54998                | 85.979  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.880          | 101  | 139251               | 90.328  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.130          | 74   | 51986                | 95.383  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 112454               | 97.765  | ug/l   | 98       |
| 10) Methyl Iodide            | 2.447          | 142  | 131044               | 107.023 | ug/l   | 95       |
| 11) Tert butyl alcohol       | 2.971          | 59   | 140637               | 491.030 | ug/l # | 91       |
| 12) 1,1-Dichloroethene       | 2.313          | 96   | 108766               | 98.595  | ug/l   | 94       |
| 13) Acrolein                 | 2.233          | 56   | 125911               | 458.843 | ug/l   | 100      |
| 14) Allyl chloride           | 2.660          | 41   | 193786               | 97.455  | ug/l   | 98       |
| 15) Acrylonitrile            | 3.063          | 53   | 343075               | 478.182 | ug/l   | 99       |
| 16) Acetone                  | 2.380          | 43   | 314717               | 425.528 | ug/l   | 91       |
| 17) Carbon Disulfide         | 2.508          | 76   | 319025               | 98.911  | ug/l   | 98       |
| 18) Methyl Acetate           | 2.703          | 43   | 181012               | 103.311 | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 369706               | 97.835  | ug/l   | 100      |
| 20) Methylene Chloride       | 2.788          | 84   | 124384               | 94.636  | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 118932               | 97.896  | ug/l   | 96       |
| 22) Diisopropyl ether        | 3.758          | 45   | 373626               | 97.002  | ug/l   | 95       |
| 23) Vinyl Acetate            | 3.721          | 43   | 1726241              | 500.779 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 215664               | 97.762  | ug/l   | 98       |
| 25) 2-Butanone               | 4.550          | 43   | 482119               | 468.939 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 174696               | 101.492 | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 134796               | 99.439  | ug/l   | 95       |
| 28) Bromochloromethane       | 4.891          | 49   | 97952                | 95.222  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 316871               | 484.733 | ug/l   | 98       |
| 30) Chloroform               | 5.093          | 83   | 226029               | 95.420  | ug/l   | 97       |
| 31) Cyclohexane              | 5.471          | 56   | 192211               | 97.212  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 198206               | 97.499  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 168201               | 99.871  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.709          | 43   | 181975               | 98.937  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 167133               | 103.715 | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.379          | 83   | 208121               | 101.567 | ug/l   | 98       |
| 40) Benzene                  | 6.038          | 78   | 481250               | 98.109  | ug/l   | 98       |

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 Operator : JC/MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

Quant Time: Jan 31 05:07:19 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X013024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 31 04:54:04 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 01/31/2024  
 Supervised By :Semsettin Yesilyurt 01/31/2024

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 96633    | 103.597  | ug/l   | 91       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 180936   | 95.821   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 301691   | 104.012  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 125185   | 96.979   | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 127198   | 98.212   | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 94373    | 97.079   | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.818  | 83   | 177075   | 102.274  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 149744   | 104.802  | ug/l   | 92       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 62770    | 2021.640 | ug/l # | 90       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 1006943  | 508.558  | ug/l   | 99       |
| 52) Toluene                   | 8.720  | 92   | 310679   | 101.616  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 191195   | 106.473  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 205902   | 107.458  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 125013   | 98.783   | ug/l   | 93       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 203059   | 109.879  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 208378   | 99.964   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 489536   | 526.777  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.433  | 43   | 802643   | 508.425  | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 133621   | 105.080  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 136972   | 100.112  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 99703    | 94.812   | ug/l   | 96       |
| 65) Chlorobenzene             | 10.080 | 112  | 326998   | 97.888   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 116536   | 103.300  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 612969   | 102.270  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 462489   | 205.110  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 227032   | 106.147  | ug/l   | 100      |
| 70) Styrene                   | 10.653 | 104  | 384791   | 106.743  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 97160    | 100.037  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.964 | 105  | 603892   | 102.031  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 298460   | 100.298  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 217462   | 97.725   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 175968m  | 100.253  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 138515   | 101.455  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 747452   | 102.624  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 428386   | 97.699   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 522212   | 102.640  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 62961    | 99.479   | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 509908   | 101.321  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 503919   | 103.504  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 523838   | 103.180  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 661183   | 102.505  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 543493   | 103.185  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 278361   | 101.065  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 277571   | 98.450   | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.329 | 91   | 535918   | 104.828  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.536 | 117  | 93426    | 99.709   | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 265218   | 99.870   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 51003    | 101.114  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 174159   | 104.911  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 64856    | 99.181   | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 598041   | 106.067  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 167823   | 102.247  | ug/l   | 100      |

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Sample : VSTDICC100  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Manual Integrations  
APPROVED

Reviewed By :John Carlone 01/31/2024  
Supervised By :Semsettin Yesilyurt 01/31/2024

Quant Time: Jan 31 05:07:19 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X013024W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 31 04:54:04 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

