

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091523\  
 Data File : VX037747.D  
 Acq On : 15 Sep 2023 11:00  
 Operator : JC/MD  
 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 09/18/2023  
 Supervised By :Mahesh Dadoda 09/18/2023

Quant Time: Sep 16 04:30:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 16 04:24:04 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response             | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|-------|----------|
| -----                        |                |      |                      |         |       |          |
| Internal Standards           |                |      |                      |         |       |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 268156               | 50.000  | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 430733               | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 417627               | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 223917               | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 341655               | 96.974  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 193.940%# |         |       |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 296408               | 102.846 | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 205.700%# |         |       |          |
| 50) Toluene-d8               | 8.647          | 98   | 1102272              | 102.933 | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 205.860%# |         |       |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 426405               | 109.579 | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 219.160%# |         |       |          |
| Target Compounds             |                |      |                      |         |       |          |
|                              |                |      |                      |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.167          | 85   | 268787               | 95.098  | ug/l  | 99       |
| 3) Chloromethane             | 1.301          | 50   | 274590               | 89.289  | ug/l  | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 301203               | 90.786  | ug/l  | 100      |
| 5) Bromomethane              | 1.599          | 94   | 210866               | 88.780  | ug/l  | 100      |
| 6) Chloroethane              | 1.673          | 64   | 188062               | 82.281  | ug/l  | 100      |
| 7) Trichlorofluoromethane    | 1.880          | 101  | 492328               | 92.303  | ug/l  | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 185582               | 89.806  | ug/l  | 81       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 253648               | 93.704  | ug/l  | 96       |
| 10) Methyl Iodide            | 2.453          | 142  | 347882               | 97.113  | ug/l  | 92       |
| 11) Tert butyl alcohol       | 2.977          | 59   | 341132               | 451.091 | ug/l  | # 92     |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 243421               | 93.048  | ug/l  | 85       |
| 13) Acrolein                 | 2.240          | 56   | 349586               | 467.928 | ug/l  | 99       |
| 14) Allyl chloride           | 2.660          | 41   | 407361               | 93.493  | ug/l  | # 95     |
| 15) Acrylonitrile            | 3.069          | 53   | 778852               | 463.219 | ug/l  | 99       |
| 16) Acetone                  | 2.386          | 43   | 746671               | 440.551 | ug/l  | # 88     |
| 17) Carbon Disulfide         | 2.508          | 76   | 640166               | 97.600  | ug/l  | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 559287               | 91.476  | ug/l  | 92       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 899054               | 93.422  | ug/l  | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 300169               | 95.819  | ug/l  | 89       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 275562               | 94.859  | ug/l  | 88       |
| 22) Diisopropyl ether        | 3.764          | 45   | 854829               | 94.187  | ug/l  | 85       |
| 23) Vinyl Acetate            | 3.721          | 43   | 3223329              | 482.839 | ug/l  | 95       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 500016               | 91.937  | ug/l  | 99       |
| 25) 2-Butanone               | 4.556          | 43   | 1101122              | 460.512 | ug/l  | 92       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 428394               | 97.483  | ug/l  | 95       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 334391               | 93.895  | ug/l  | 90       |
| 28) Bromochloromethane       | 4.898          | 49   | 230968               | 91.032  | ug/l  | # 83     |
| 29) Tetrahydrofuran          | 5.007          | 42   | 686968               | 461.794 | ug/l  | 89       |
| 30) Chloroform               | 5.093          | 83   | 547093               | 93.380  | ug/l  | 98       |
| 31) Cyclohexane              | 5.471          | 56   | 429374               | 94.953  | ug/l  | 93       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 475714               | 95.896  | ug/l  | 97       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 387010               | 97.479  | ug/l  | 96       |
| 37) Ethyl Acetate            | 4.715          | 43   | 418309               | 98.140  | ug/l  | 96       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 416803               | 100.337 | ug/l  | 98       |
| 39) Methylcyclohexane        | 7.379          | 83   | 507108               | 100.640 | ug/l  | 94       |
| 40) Benzene                  | 6.038          | 78   | 1173667              | 96.132  | ug/l  | 99       |

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 Sample : VSTDICC100  
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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

Quant Time: Sep 16 04:30:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 16 04:24:04 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 09/18/2023  
 Supervised By :Mahesh Dadoda 09/18/2023

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 216202   | 97.148   | ug/l # | 88       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 418219   | 94.488   | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 698673   | 100.109  | ug/l # | 95       |
| 44) Trichloroethene           | 7.129  | 130  | 318695   | 93.734   | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 302874   | 95.527   | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 228977   | 100.397  | ug/l   | 93       |
| 47) Bromodichloromethane      | 7.824  | 83   | 428055   | 101.907  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.696  | 41   | 335941   | 100.693  | ug/l # | 88       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 160867   | 1839.198 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 2133365  | 481.795  | ug/l   | 93       |
| 52) Toluene                   | 8.720  | 92   | 774453   | 98.427   | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 489702   | 112.003  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 515017   | 105.953  | ug/l # | 87       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 328711   | 99.087   | ug/l   | 95       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 523098   | 105.624  | ug/l   | 90       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 523172   | 97.458   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.245  | 63   | 1148355  | 496.575  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.433  | 43   | 1677462  | 486.557  | ug/l   | 92       |
| 60) Dibromochloromethane      | 9.525  | 129  | 360190   | 108.992  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 359568   | 102.372  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 272211   | 95.575   | ug/l   | 98       |
| 65) Chlorobenzene             | 10.080 | 112  | 862803   | 95.779   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 326779   | 102.363  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 1531466  | 98.057   | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 1206742  | 199.956  | ug/l   | 96       |
| 69) o-Xylene                  | 10.640 | 106  | 602863   | 99.617   | ug/l   | 97       |
| 70) Styrene                   | 10.653 | 104  | 1011970  | 104.160  | ug/l   | 96       |
| 71) Bromoform                 | 10.799 | 173  | 280296   | 111.285  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.964 | 105  | 1563497  | 95.175   | ug/l   | 98       |
| 74) N-amyl acetate            | 10.842 | 43   | 647928   | 97.389   | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 527005   | 91.217   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 479902m  | 87.577   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 386764   | 95.120   | ug/l   | 89       |
| 78) n-propylbenzene           | 11.305 | 91   | 1844312  | 99.410   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 1083245  | 94.695   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 1355057  | 97.675   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 174780   | 108.107  | ug/l   | 85       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 1267794  | 98.443   | ug/l   | 96       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 1337960  | 95.424   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 1358056  | 98.388   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 1682377  | 98.902   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 1430230  | 101.078  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 732202   | 96.604   | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 740843   | 95.798   | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 1326252  | 106.823  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.536 | 117  | 256269   | 106.722  | ug/l   | 86       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 728498   | 94.139   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 115458   | 100.253  | ug/l   | 74       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 486166   | 106.653  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 221538   | 104.141  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 1571973  | 101.968  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 488174   | 104.066  | ug/l   | 97       |

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ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId :  
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Manual Integrations  
APPROVED

Reviewed By :John Carlone 09/18/2023  
Supervised By :Mahesh Dadoda 09/18/2023

Quant Time: Sep 16 04:30:43 2023  
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Quant Title : SW846 8260  
QLast Update : Sat Sep 16 04:24:04 2023  
Response via : Initial Calibration

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

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

