

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102824\  
 Data File : VX043561.D  
 Acq On : 28 Oct 2024 12:54  
 Operator : JC/MD  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC150

Quant Time: Oct 28 13:31:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102824W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 28 13:29:33 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024  
 Supervised By :Mahesh Dadoda 10/29/2024

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 144618               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 264800               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 232776               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 112300               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 318806               | 138.969 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 277.940%# |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 256339               | 145.381 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 290.760%# |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 851731               | 139.313 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 278.620%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 329323               | 147.475 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 294.940%# |         |        |          |
| Target Compounds             |                |      |                      |         |        |          |
|                              |                |      |                      |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 210421               | 130.533 | ug/l   | 99       |
| 3) Chloromethane             | 1.295          | 50   | 265669               | 129.182 | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.374          | 62   | 256442               | 136.893 | ug/l   | 98       |
| 5) Bromomethane              | 1.593          | 94   | 112014               | 153.092 | ug/l   | 95       |
| 6) Chloroethane              | 1.660          | 64   | 90954                | 148.384 | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.861          | 101  | 310596               | 126.333 | ug/l   | 100      |
| 8) Diethyl Ether             | 2.136          | 74   | 151359               | 140.945 | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.313          | 101  | 212838               | 137.151 | ug/l   | 99       |
| 10) Methyl Iodide            | 2.441          | 142  | 315072               | 146.614 | ug/l   | 98       |
| 11) Tert butyl alcohol       | 3.026          | 59   | 337112               | 688.018 | ug/l # | 100      |
| 12) 1,1-Dichloroethene       | 2.307          | 96   | 222500               | 145.831 | ug/l   | 96       |
| 13) Acrolein                 | 2.239          | 56   | 241097               | 624.444 | ug/l   | 98       |
| 14) Allyl chloride           | 2.654          | 41   | 395090               | 145.930 | ug/l   | 98       |
| 15) Acrylonitrile            | 3.069          | 53   | 736707               | 678.747 | ug/l   | 99       |
| 16) Acetone                  | 2.392          | 43   | 639840               | 653.408 | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.495          | 76   | 532448               | 168.596 | ug/l   | 99       |
| 18) Methyl Acetate           | 2.709          | 43   | 392340               | 133.313 | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 867383               | 146.111 | ug/l   | 97       |
| 20) Methylene Chloride       | 2.782          | 84   | 274424               | 143.401 | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.081          | 96   | 236759               | 143.334 | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.764          | 45   | 790777               | 141.515 | ug/l   | 96       |
| 23) Vinyl Acetate            | 3.721          | 43   | 3509530              | 760.241 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 454844               | 144.305 | ug/l   | 99       |
| 25) 2-Butanone               | 4.568          | 43   | 995055               | 669.046 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 367692               | 161.856 | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 306808               | 149.076 | ug/l   | 98       |
| 28) Bromochloromethane       | 4.898          | 49   | 223906               | 143.593 | ug/l   | 99       |
| 29) Tetrahydrofuran          | 5.013          | 42   | 639748               | 658.777 | ug/l   | 99       |
| 30) Chloroform               | 5.093          | 83   | 471770               | 139.964 | ug/l   | 99       |
| 31) Cyclohexane              | 5.458          | 56   | 333317               | 133.285 | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 407373               | 143.818 | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 292944               | 140.377 | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.721          | 43   | 384683               | 135.067 | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 340536               | 143.607 | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.379          | 83   | 375923               | 140.469 | ug/l   | 98       |
| 40) Benzene                  | 6.031          | 78   | 989523               | 141.848 | ug/l   | 98       |

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 MSVOA\_X  
 ClientSampleId :  
 VSTDICC150

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102824W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 28 13:29:33 2024  
 Response via : Initial Calibration

Manual Integrations  
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 Supervised By :Mahesh Dadoda 10/29/2024

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 203044   | 141.732  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 370244   | 144.284  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 646810   | 143.566  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 251726   | 152.200  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 254281   | 149.267  | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 200317   | 153.073  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.818  | 83   | 379264   | 163.366  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.696  | 41   | 320841   | 152.537  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.671  | 88   | 113004   | 2091.122 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 1948870  | 682.697  | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 611241   | 142.120  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 405296   | 172.509  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 426054   | 165.131  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 259723   | 143.100  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 449693   | 153.315  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 437811   | 146.096  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 1091414  | 756.448  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.433  | 43   | 1462736  | 677.655  | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.519  | 129  | 299138   | 176.144  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 275091   | 150.355  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 198596   | 136.289  | ug/l   | 95       |
| 65) Chlorobenzene             | 10.080 | 112  | 703451   | 145.269  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 250797   | 153.341  | ug/l   | 100      |
| 67) Ethyl Benzene             | 10.195 | 91   | 1141257  | 141.675  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 878867   | 287.969  | ug/l   | 97       |
| 69) o-Xylene                  | 10.640 | 106  | 450386   | 143.559  | ug/l   | 98       |
| 70) Styrene                   | 10.653 | 104  | 777762   | 153.173  | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 207497   | 188.187  | ug/l # | 97       |
| 73) Isopropylbenzene          | 10.964 | 105  | 1088275  | 135.577  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 575386   | 142.309  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 402017   | 130.738  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 335384m  | 128.467  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 285385   | 139.269  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 1224689  | 143.160  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 773459   | 134.748  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 914265   | 137.180  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 145480   | 170.044  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 893567   | 140.669  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 935627   | 137.660  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 953082   | 139.821  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 1112980  | 141.391  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 958987   | 147.051  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 521523   | 141.838  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 522586   | 140.994  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 830990   | 157.180  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 179474   | 170.120  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 534157   | 140.889  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 94746    | 144.811  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 354426   | 159.641  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 118245   | 150.492  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 1350122  | 148.198  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 363960   | 156.686  | ug/l   | 99       |

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Manual Integrations  
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| 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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