

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122324\  
 Data File : VX044492.D  
 Acq On : 23 Dec 2024 19:49  
 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 12/26/2024  
 Supervised By : Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 22:16:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 12 04:28:14 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 142062   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 233398   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 200491   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 97321    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 91340    | 36.671   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 73.340%# |
| 35) Dibromofluoromethane    | 5.379  | 113   | 73837    | 45.677   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 91.360%  |
| 50) Toluene-d8              | 8.647  | 98    | 242389   | 44.446   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 88.900%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 83671    | 43.908   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 87.820%  |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.167 | 85  | 99403   | 45.252  | ug/l   | 99  |
| 3) Chloromethane             | 1.295 | 50  | 96315   | 45.851  | ug/l   | 100 |
| 4) Vinyl Chloride            | 1.374 | 62  | 97827   | 44.703  | ug/l   | 100 |
| 5) Bromomethane              | 1.593 | 94  | 66434   | 42.791  | ug/l   | 98  |
| 6) Chloroethane              | 1.666 | 64  | 62749   | 46.048  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 1.874 | 101 | 151860  | 35.446  | ug/l   | 98  |
| 8) Diethyl Ether             | 2.130 | 74  | 57535   | 39.343  | ug/l   | 98  |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 78265   | 45.146  | ug/l   | 92  |
| 10) Methyl Iodide            | 2.447 | 142 | 114488  | 50.107  | ug/l   | 94  |
| 11) Tert butyl alcohol       | 2.996 | 59  | 70521   | 200.889 | ug/l   | 98  |
| 12) 1,1-Dichloroethene       | 2.313 | 96  | 75484   | 47.404  | ug/l   | 91  |
| 13) Acrolein                 | 2.233 | 56  | 92120   | 181.285 | ug/l   | 99  |
| 14) Allyl chloride           | 2.660 | 41  | 118303  | 44.605  | ug/l   | 98  |
| 15) Acrylonitrile            | 3.063 | 53  | 200626  | 206.319 | ug/l   | 99  |
| 16) Acetone                  | 2.380 | 43  | 178267  | 175.552 | ug/l   | 97  |
| 17) Carbon Disulfide         | 2.508 | 76  | 139644  | 46.135  | ug/l   | 100 |
| 18) Methyl Acetate           | 2.703 | 43  | 104075  | 39.750  | ug/l   | 94  |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 262040  | 42.170  | ug/l   | 98  |
| 20) Methylene Chloride       | 2.782 | 84  | 88543   | 46.423  | ug/l   | 96  |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 77251   | 45.648  | ug/l   | 93  |
| 22) Diisopropyl ether        | 3.758 | 45  | 259272  | 43.412  | ug/l   | 95  |
| 23) Vinyl Acetate            | 3.715 | 43  | 1084781 | 223.409 | ug/l   | 98  |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 150456  | 45.194  | ug/l   | 99  |
| 25) 2-Butanone               | 4.556 | 43  | 271591  | 188.131 | ug/l   | 98  |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 119970  | 44.358  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 96440   | 44.871  | ug/l   | 95  |
| 28) Bromochloromethane       | 4.892 | 49  | 64763   | 39.671  | ug/l   | 94  |
| 29) Tetrahydrofuran          | 5.001 | 42  | 173821  | 187.586 | ug/l   | 98  |
| 30) Chloroform               | 5.093 | 83  | 162393  | 43.416  | ug/l   | 98  |
| 31) Cyclohexane              | 5.458 | 56  | 115044  | 42.794  | ug/l   | 99  |
| 32) 1,1,1-Trichloroethane    | 5.379 | 97  | 140086  | 45.118  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 101604  | 48.625  | ug/l   | 98  |
| 37) Ethyl Acetate            | 4.715 | 43  | 109126  | 42.249  | ug/l   | 97  |
| 38) Carbon Tetrachloride     | 5.672 | 117 | 111385  | 49.513  | ug/l   | 98  |
| 39) Methylcyclohexane        | 7.373 | 83  | 125247  | 50.139  | ug/l   | 96  |
| 40) Benzene                  | 6.032 | 78  | 325004  | 51.229  | ug/l   | 100 |

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 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 12/26/2024  
 Supervised By : Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 22:16:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 12 04:28:14 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 58306    | 42.511  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 124536   | 47.653  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 177770   | 44.034  | ug/l   | 97       |
| 44) Trichloroethene           | 7.117  | 130  | 82827    | 52.353  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 82109    | 50.659  | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 64127    | 50.998  | ug/l   | 94       |
| 47) Bromodichloromethane      | 7.818  | 83   | 114072   | 52.527  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.690  | 41   | 85907    | 43.837  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 31930    | 982.728 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 556283   | 214.305 | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 201289   | 50.524  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 109547   | 47.186  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 123531   | 52.242  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 80941    | 51.140  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 118479   | 47.418  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 134913   | 48.972  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 263448   | 209.048 | ug/l   | 98       |
| 59) 2-Hexanone                | 9.427  | 43   | 403537   | 214.776 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 81910    | 48.943  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 83250    | 51.675  | ug/l   | 96       |
| 64) Tetrachloroethene         | 9.269  | 164  | 72600    | 54.558  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.080 | 112  | 221119   | 51.470  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 75407    | 54.615  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 376573   | 50.731  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 286106   | 105.040 | ug/l   | 94       |
| 69) o-Xylene                  | 10.640 | 106  | 142004   | 51.527  | ug/l   | 94       |
| 70) Styrene                   | 10.653 | 104  | 236734   | 53.584  | ug/l   | 95       |
| 71) Bromoform                 | 10.799 | 173  | 49054    | 50.746  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.958 | 105  | 362803   | 48.696  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 152291   | 44.229  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 118300   | 45.716  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 95824m   | 44.099  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 91156    | 50.455  | ug/l   | 94       |
| 78) n-propylbenzene           | 11.299 | 91   | 412127   | 50.048  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 251412   | 47.209  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.445 | 105  | 300384   | 48.618  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 30857    | 41.730  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 283625   | 48.094  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 306541   | 50.203  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 305617   | 50.368  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 367512   | 49.579  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 309480   | 50.162  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.963 | 146  | 162721   | 51.562  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.037 | 146  | 163225   | 50.314  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 259880   | 50.094  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 46945    | 52.126  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 162236   | 49.511  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 21028    | 41.860  | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 97256    | 54.137  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.719 | 225  | 40220    | 55.660  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 321843   | 45.897  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 99323    | 52.126  | ug/l   | 98       |

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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 12/26/2024  
Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 23 22:16:40 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121124W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 12 04:28:14 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

