

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100523\  
 Data File : VX038090.D  
 Acq On : 05 Oct 2023 09:35  
 Operator : JC/MD  
 Sample : VSTDICC001  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC001

Quant Time: Oct 05 15:22:39 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 05 15:22:37 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 10/05/2023  
 Supervised By : Mahesh Dadoda 10/06/2023

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 137786   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 233698   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 221947   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 117277   | 50.000 | ug/l  | 0.00     |

#### System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 33) 1,2-Dichloroethane-d4 | 0.000  | 65    | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 78 - 117 | Recovery | =    | 0.000%# |
| 35) Dibromofluoromethane  | 0.000  | 113   | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 0.000%# |
| 50) Toluene-d8            | 0.000  | 98    | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 92 - 112 | Recovery | =    | 0.000%# |
| 62) 4-Bromofluorobenzene  | 0.000  | 95    | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 83 - 123 | Recovery | =    | 0.000%# |

#### Target Compounds

|                              |       |     |       |       |        | Qvalue |
|------------------------------|-------|-----|-------|-------|--------|--------|
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 1171  | 0.880 | ug/l   | 95     |
| 3) Chloromethane             | 1.301 | 50  | 1609  | 1.187 | ug/l   | 91     |
| 4) Vinyl Chloride            | 1.374 | 62  | 1485  | 0.988 | ug/l # | 76     |
| 6) Chloroethane              | 1.685 | 64  | 1811  | 1.359 | ug/l   | 94     |
| 7) Trichlorofluoromethane    | 1.886 | 101 | 2795  | 0.942 | ug/l   | 96     |
| 8) Diethyl Ether             | 2.136 | 74  | 1040  | 0.939 | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 1301  | 1.004 | ug/l # | 84     |
| 12) 1,1-Dichloroethene       | 2.319 | 96  | 1204  | 0.955 | ug/l   | 89     |
| 14) Allyl chloride           | 2.660 | 41  | 2245  | 0.996 | ug/l # | 88     |
| 15) Acrylonitrile            | 3.062 | 53  | 5131  | 5.088 | ug/l   | 97     |
| 16) Acetone                  | 2.374 | 43  | 5220  | 5.644 | ug/l   | 95     |
| 17) Carbon Disulfide         | 2.508 | 76  | 4185  | 1.152 | ug/l   | 96     |
| 18) Methyl Acetate           | 2.703 | 43  | 3824  | 0.964 | ug/l   | 91     |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 4730  | 0.942 | ug/l   | 94     |
| 20) Methylene Chloride       | 2.782 | 84  | 2194  | 1.261 | ug/l # | 79     |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 1529  | 0.980 | ug/l   | 92     |
| 22) Diisopropyl ether        | 3.757 | 45  | 4546  | 0.962 | ug/l # | 95     |
| 23) Vinyl Acetate            | 3.727 | 43  | 16449 | 4.746 | ug/l # | 94     |
| 24) 1,1-Dichloroethane       | 3.611 | 63  | 2944  | 1.027 | ug/l   | 97     |
| 25) 2-Butanone               | 4.562 | 43  | 7812  | 5.235 | ug/l # | 89     |
| 26) 2,2-Dichloropropane      | 4.477 | 77  | 2112  | 0.943 | ug/l   | 91     |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 1891  | 1.017 | ug/l   | 84     |
| 28) Bromochloromethane       | 4.898 | 49  | 1149  | 0.887 | ug/l # | 83     |
| 29) Tetrahydrofuran          | 5.007 | 42  | 5077  | 5.225 | ug/l   | 99     |
| 30) Chloroform               | 5.099 | 83  | 2894  | 0.923 | ug/l   | 96     |
| 32) 1,1,1-Trichloroethane    | 5.379 | 97  | 2553  | 0.950 | ug/l # | 51     |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 2681  | 1.155 | ug/l   | 88     |
| 37) Ethyl Acetate            | 4.721 | 43  | 2878  | 1.044 | ug/l # | 90     |
| 38) Carbon Tetrachloride     | 5.678 | 117 | 2330  | 1.020 | ug/l   | 90     |
| 39) Methylcyclohexane        | 7.379 | 83  | 2779  | 1.022 | ug/l   | 96     |
| 40) Benzene                  | 6.031 | 78  | 6191  | 0.953 | ug/l   | 93     |
| 41) Methacrylonitrile        | 4.934 | 41  | 1388  | 1.012 | ug/l   | 88     |
| 42) 1,2-Dichloroethane       | 6.086 | 62  | 2620  | 1.010 | ug/l   | 80     |
| 43) Isopropyl Acetate        | 6.336 | 43  | 3774  | 0.917 | ug/l   | 98     |
| 44) Trichloroethene          | 7.129 | 130 | 1546  | 0.910 | ug/l   | 98     |
| 45) 1,2-Dichloropropane      | 7.428 | 63  | 1673  | 0.995 | ug/l # | 82     |

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 Data File : VX038090.D  
 Acq On : 05 Oct 2023 09:35  
 Operator : JC/MD  
 Sample : VSTDICC001  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/05/2023  
 Supervised By : Mahesh Dadoda 10/06/2023

Quant Time: Oct 05 15:22:39 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 05 15:22:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) Dibromomethane            | 7.580  | 93   | 1339     | 1.027  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.818  | 83   | 2051     | 0.884  | ug/l   | 95       |
| 48) Methyl methacrylate       | 7.696  | 41   | 1839     | 0.936  | ug/l   | 88       |
| 49) 1,4-Dioxane               | 7.671  | 88   | 896      | 18.500 | ug/l # | 81       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 13402    | 4.719  | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 3881     | 0.917  | ug/l   | 84       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 2117     | 0.850  | ug/l # | 83       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 2230     | 0.853  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 1746     | 0.965  | ug/l   | 92       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 2464     | 0.888  | ug/l # | 86       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 2832     | 0.968  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 6435     | 4.725  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.427  | 43   | 10541    | 4.617  | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.525  | 129  | 1416     | 0.800  | ug/l   | 90       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 1757     | 0.898  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.269  | 164  | 1403     | 0.976  | ug/l   | 84       |
| 65) Chlorobenzene             | 10.080 | 112  | 4933     | 1.062  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 1297     | 0.826  | ug/l # | 54       |
| 67) Ethyl Benzene             | 10.195 | 91   | 8126     | 0.980  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 6093     | 1.901  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 3163     | 1.011  | ug/l   | 90       |
| 70) Styrene                   | 10.659 | 104  | 4452     | 0.874  | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 1101     | 3.576  | ug/l # | 86       |
| 73) Isopropylbenzene          | 10.964 | 105  | 7428     | 0.944  | ug/l   | 97       |
| 74) N-amyl acetate            | 10.842 | 43   | 2696     | 0.803  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 2794     | 0.968  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 2368m    | 0.888  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 1954     | 1.018  | ug/l   | 96       |
| 78) n-propylbenzene           | 11.305 | 91   | 9505     | 0.988  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 6115     | 1.072  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 6195     | 0.913  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 6894     | 1.022  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 6247     | 0.942  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 6101     | 0.902  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 8207     | 0.956  | ug/l   | 94       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 6577     | 0.928  | ug/l   | 90       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 4267     | 1.106  | ug/l   | 91       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 3992m    | 1.014  | ug/l   |          |
| 89) n-Butylbenzene            | 12.335 | 91   | 6781     | 0.961  | ug/l   | 93       |
| 90) Hexachloroethane          | 12.536 | 117  | 991      | 0.843  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 3807     | 1.027  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 605      | 0.867  | ug/l   | 87       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 2516     | 1.012  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 1126     | 1.125  | ug/l   | 96       |
| 95) Naphthalene               | 13.774 | 128  | 8855     | 1.023  | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 2417     | 1.004  | ug/l   | 90       |

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

## Manual Integrations

Quant Time: Oct 05 15:22:39 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100523W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 05 15:22:37 2023  
Response via : Initial Calibration

