

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072221\  
 Data File : VX023367.D  
 Acq On : 22 Jul 2021 09:34  
 Operator : JC/MD  
 Sample : VSTDIC001  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC001

Manual Integrations  
 APPROVED

MMDadoda  
 7/23/2021 5:13:18 PM

Quant Time: Jul 22 11:27:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072221W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 22 11:25:54 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.556  | 168  | 250434   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 400873   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 343233   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 145710   | 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  | 1919  | 0.844  | ug/l   | 96 |
| 3) Chloromethane             | 1.294 | 50  | 2744  | 1.175  | ug/l   | 95 |
| 4) Vinyl Chloride            | 1.374 | 62  | 2343  | 0.959  | ug/l # | 86 |
| 6) Chloroethane              | 1.685 | 64  | 1638  | 1.035  | ug/l # | 80 |
| 7) Trichlorofluoromethane    | 1.886 | 101 | 3690  | 0.883  | ug/l   | 99 |
| 8) Diethyl Ether             | 2.136 | 74  | 1507  | 0.972  | ug/l   | 72 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 2218  | 0.908  | ug/l   | 95 |
| 12) 1,1-Dichloroethene       | 2.319 | 96  | 2275  | 1.001  | ug/l   | 90 |
| 14) Allyl chloride           | 2.666 | 41  | 4091  | 1.026  | ug/l   | 86 |
| 15) Acrylonitrile            | 3.069 | 53  | 7044  | 4.930  | ug/l   | 97 |
| 16) Acetone                  | 2.386 | 43  | 8994  | 6.566  | ug/l   | 97 |
| 17) Carbon Disulfide         | 2.514 | 76  | 5465  | 1.096  | ug/l   | 97 |
| 18) Methyl Acetate           | 2.709 | 43  | 3358  | 1.012  | ug/l # | 88 |
| 19) Methyl tert-butyl Ether  | 3.117 | 73  | 7190  | 0.852  | ug/l   | 98 |
| 20) Methylene Chloride       | 2.788 | 84  | 3463  | 1.193  | ug/l   | 93 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96  | 2391  | 0.972  | ug/l   | 97 |
| 22) Diisopropyl ether        | 3.764 | 45  | 7178  | 0.860  | ug/l # | 67 |
| 23) Vinyl Acetate            | 3.727 | 43  | 30870 | 4.342  | ug/l # | 86 |
| 24) 1,1-Dichloroethane       | 3.623 | 63  | 4066  | 0.867  | ug/l # | 89 |
| 25) 2-Butanone               | 4.574 | 43  | 10931 | 5.240  | ug/l   | 94 |
| 26) 2,2-Dichloropropane      | 4.483 | 77  | 3400  | 0.869  | ug/l   | 96 |
| 27) cis-1,2-Dichloroethene   | 4.501 | 96  | 2619m | 0.885  | ug/l   |    |
| 28) Bromochloromethane       | 4.904 | 49  | 2221  | 1.003  | ug/l # | 87 |
| 29) Tetrahydrofuran          | 5.019 | 42  | 6701  | 4.975  | ug/l # | 59 |
| 30) Chloroform               | 5.105 | 83  | 4471  | 0.893  | ug/l   | 90 |
| 32) 1,1,1-Trichloroethane    | 5.397 | 97  | 3351  | 0.767  | ug/l # | 48 |
| 36) 1,1-Dichloropropene      | 5.690 | 75  | 3194  | 0.886  | ug/l   | 96 |
| 37) Ethyl Acetate            | 4.721 | 43  | 4300  | 1.071  | ug/l # | 87 |
| 38) Carbon Tetrachloride     | 5.690 | 117 | 3077  | 0.825  | ug/l   | 87 |
| 39) Methylcyclohexane        | 7.379 | 83  | 4034  | 0.942  | ug/l # | 87 |
| 40) Benzene                  | 6.050 | 78  | 9283  | 0.885  | ug/l   | 98 |
| 41) Methacrylonitrile        | 4.922 | 41  | 2249  | 1.009  | ug/l # | 78 |
| 42) 1,2-Dichloroethane       | 6.092 | 62  | 3654  | 0.884  | ug/l   | 90 |
| 43) Isopropyl Acetate        | 6.348 | 43  | 5830  | 0.879  | ug/l   | 95 |
| 44) Trichloroethene          | 7.135 | 130 | 2614  | 0.883  | ug/l   | 95 |
| 45) 1,2-Dichloropropane      | 7.428 | 63  | 2454  | 0.893  | ug/l # | 76 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072221\  
 Data File : VX023367.D  
 Acq On : 22 Jul 2021 09:34  
 Operator : JC/MD  
 Sample : VSTDIC001  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC001

Manual Integrations  
 APPROVED

MMDadoda  
 7/23/2021 5:13:18 PM

Quant Time: Jul 22 11:27:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072221W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 22 11:25:54 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) Dibromomethane            | 7.586  | 93   | 1626     | 0.836  | ug/l   | 93       |
| 47) Bromodichloromethane      | 7.824  | 83   | 2809     | 0.794  | ug/l # | 93       |
| 48) Methyl methacrylate       | 7.702  | 41   | 2783     | 0.863  | ug/l # | 85       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 1247     | 17.476 | ug/l # | 89       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 18185    | 4.430  | ug/l   | 92       |
| 52) Toluene                   | 8.720  | 92   | 5530     | 0.820  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.988  | 75   | 2932     | 0.753  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 3344     | 0.808  | ug/l # | 90       |
| 55) 1,1,2-Trichloroethane     | 9.159  | 97   | 2154     | 0.762  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 3596     | 0.818  | ug/l # | 80       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 3991     | 0.852  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 11879    | 5.569  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.433  | 43   | 13273    | 4.229  | ug/l   | 90       |
| 60) Dibromochloromethane      | 9.525  | 129  | 1838     | 0.675  | ug/l   | 94       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 2378     | 0.820  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.275  | 164  | 2457     | 0.893  | ug/l   | 90       |
| 65) Chlorobenzene             | 10.079 | 112  | 6349     | 0.925  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 1762     | 0.711  | ug/l # | 56       |
| 67) Ethyl Benzene             | 10.195 | 91   | 10338    | 0.854  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.305 | 106  | 7578     | 1.640  | ug/l   | 98       |
| 69) o-Xylene                  | 10.646 | 106  | 3994     | 0.862  | ug/l   | 87       |
| 70) Styrene                   | 10.659 | 104  | 5601     | 0.743  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 1344     | 0.766  | ug/l # | 97       |
| 73) Isopropylbenzene          | 10.963 | 105  | 9486     | 0.905  | ug/l   | 96       |
| 74) N-amyl acetate            | 10.842 | 43   | 4295     | 0.951  | ug/l # | 87       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 3294     | 0.986  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 2809m    | 0.937  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 2399     | 0.921  | ug/l   | 95       |
| 78) n-propylbenzene           | 11.305 | 91   | 10744    | 0.889  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 6828     | 0.921  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 7473     | 0.838  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 7242     | 0.868  | ug/l   | 90       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 7592     | 0.892  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 7289     | 0.828  | ug/l   | 95       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 10310    | 0.943  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 7601     | 0.832  | ug/l   | 89       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 4588     | 0.947  | ug/l   | 94       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 4920m    | 1.010  | ug/l   |          |
| 89) n-Butylbenzene            | 12.335 | 91   | 7682     | 0.959  | ug/l   | 96       |
| 90) Hexachloroethane          | 12.542 | 117  | 1135     | 0.834  | ug/l   | 84       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 4452     | 0.929  | ug/l   | 91       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 567      | 0.797  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 2665     | 0.896  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 1351     | 1.068  | ug/l   | 98       |
| 95) Naphthalene               | 13.780 | 128  | 7685     | 0.773  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 2627     | 0.880  | ug/l   | 91       |

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

