

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032221\  
 Data File : VX021348.D  
 Acq On : 22 Mar 2021 11:28  
 Operator : JC/MD  
 Sample : VX0322WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0322WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 3/23/2021 10:48:24 AM

Quant Time: Mar 23 01:57:36 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031621W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 16 14:00:21 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response           | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|--------------------|--------|--------|----------|
| -----                        |                |      |                    |        |        |          |
| Internal Standards           |                |      |                    |        |        |          |
| 1) Pentafluorobenzene        | 5.623          | 168  | 84560              | 50.00  | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene      | 6.823          | 114  | 134472             | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.094         | 117  | 125274             | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.059         | 152  | 63825              | 50.00  | ug/l   | 0.00     |
|                              |                |      |                    |        |        |          |
| System Monitoring Compounds  |                |      |                    |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 6.023          | 65   | 65434              | 47.18  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 94.36%  |        |        |          |
| 35) Dibromofluoromethane     | 5.458          | 113  | 46028              | 50.30  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 100.60% |        |        |          |
| 50) Toluene-d8               | 8.694          | 98   | 165432             | 49.83  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 99.66%  |        |        |          |
| 62) 4-Bromofluorobenzene     | 11.118         | 95   | 65867              | 51.09  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 102.18% |        |        |          |
|                              |                |      |                    |        |        |          |
| Target Compounds             |                |      |                    |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.187          | 85   | 18621              | 18.43  | ug/l   | 99       |
| 3) Chloromethane             | 1.310          | 50   | 22510              | 13.92  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.393          | 62   | 18090              | 17.58  | ug/l   | 100      |
| 5) Bromomethane              | 1.622          | 94   | 9388               | 20.89  | ug/l   | 95       |
| 6) Chloroethane              | 1.705          | 64   | 11564              | 18.39  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.910          | 101  | 29151              | 18.79  | ug/l   | 94       |
| 8) Diethyl Ether             | 2.169          | 74   | 9352               | 17.14  | ug/l   | 75       |
| 9) 1,1,2-Trichlorotrifluo... | 2.363          | 101  | 16217              | 18.35  | ug/l   | 95       |
| 10) Methyl Iodide            | 2.487          | 142  | 12805              | 16.60  | ug/l # | 90       |
| 11) Tert butyl alcohol       | 3.011          | 59   | 20660              | 88.67  | ug/l   | 95       |
| 12) 1,1-Dichloroethene       | 2.352          | 96   | 15072              | 17.48  | ug/l   | 82       |
| 13) Acrolein                 | 2.269          | 56   | 14213              | 103.92 | ug/l   | 100      |
| 14) Allyl chloride           | 2.705          | 41   | 31267              | 17.60  | ug/l   | 86       |
| 15) Acrylonitrile            | 3.111          | 53   | 48122              | 88.83  | ug/l   | 97       |
| 16) Acetone                  | 2.416          | 43   | 44711              | 87.61  | ug/l # | 87       |
| 17) Carbon Disulfide         | 2.546          | 76   | 42688              | 17.37  | ug/l   | 98       |
| 18) Methyl Acetate           | 2.746          | 43   | 24542              | 17.55  | ug/l   | 90       |
| 19) Methyl tert-butyl Ether  | 3.164          | 73   | 59386              | 18.36  | ug/l   | 98       |
| 20) Methylene Chloride       | 2.834          | 84   | 19027              | 18.13  | ug/l # | 85       |
| 21) trans-1,2-Dichloroethene | 3.140          | 96   | 17162              | 17.83  | ug/l   | 85       |
| 22) Diisopropyl ether        | 3.822          | 45   | 62327              | 18.26  | ug/l # | 95       |
| 23) Vinyl Acetate            | 3.781          | 43   | 267306             | 89.76  | ug/l # | 92       |
| 24) 1,1-Dichloroethane       | 3.664          | 63   | 33199              | 18.01  | ug/l   | 97       |
| 25) 2-Butanone               | 4.628          | 43   | 68601              | 87.42  | ug/l # | 89       |
| 26) 2,2-Dichloropropane      | 4.546          | 77   | 29532              | 18.36  | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 4.558          | 96   | 19693              | 17.81  | ug/l   | 89       |
| 28) Bromochloromethane       | 4.970          | 49   | 16055              | 18.49  | ug/l   | 84       |
| 29) Tetrahydrofuran          | 5.087          | 42   | 44401              | 85.67  | ug/l # | 86       |
| 30) Chloroform               | 5.170          | 83   | 35899              | 18.71  | ug/l   | 98       |
| 31) Cyclohexane              | 5.546          | 56   | 29342              | 17.50  | ug/l   | 92       |
| 32) 1,1,1-Trichloroethane    | 5.458          | 97   | 31377              | 18.45  | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 5.764          | 75   | 25579              | 18.88  | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.787          | 43   | 26848              | 17.10  | ug/l   | 94       |
| 38) Carbon Tetrachloride     | 5.752          | 117  | 28194              | 20.04  | ug/l   | 95       |
| 39) Methylcyclohexane        | 7.435          | 83   | 29195              | 19.41  | ug/l   | 90       |
| 40) Benzene                  | 6.105          | 78   | 73375              | 19.65  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032221\  
 Data File : VX021348.D  
 Acq On : 22 Mar 2021 11:28  
 Operator : JC/MD  
 Sample : VX0322WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0322WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 3/23/2021 10:48:24 AM

Quant Time: Mar 23 01:57:36 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031621W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 16 14:00:21 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.993  | 41   | 15871    | 17.61  | ug/l   | 89       |
| 42) 1,2-Dichloroethane        | 6.158  | 62   | 31502    | 19.56  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 6.405  | 43   | 46847    | 18.20  | ug/l # | 91       |
| 44) Trichloroethene           | 7.188  | 130  | 19068    | 19.23  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.488  | 63   | 19830    | 19.77  | ug/l   | 98       |
| 46) Dibromomethane            | 7.635  | 93   | 13968    | 19.03  | ug/l   | 94       |
| 47) Bromodichloromethane      | 7.870  | 83   | 28993    | 19.69  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.741  | 41   | 24736    | 18.11  | ug/l # | 82       |
| 49) 1,4-Dioxane               | 7.711  | 88   | 8845     | 373.25 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone      | 8.617  | 43   | 142294   | 94.99  | ug/l   | 88       |
| 52) Toluene                   | 8.764  | 92   | 46035    | 19.94  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 9.023  | 75   | 29826    | 19.10  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.411  | 75   | 31662    | 18.98  | ug/l # | 83       |
| 55) 1,1,2-Trichloroethane     | 9.194  | 97   | 18956    | 20.07  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.158  | 69   | 28196    | 18.56  | ug/l # | 73       |
| 57) 1,3-Dichloropropane       | 9.353  | 76   | 32340    | 19.67  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.288  | 63   | 73309    | 88.31  | ug/l   | 96       |
| 59) 2-Hexanone                | 9.470  | 43   | 106294   | 94.80  | ug/l   | 85       |
| 60) Dibromochloromethane      | 9.564  | 129  | 21369    | 19.86  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.653  | 107  | 20146    | 19.46  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.317  | 164  | 17415    | 18.61  | ug/l   | 94       |
| 65) Chlorobenzene             | 10.117 | 112  | 49933    | 19.39  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.200 | 131  | 18917    | 19.80  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.235 | 91   | 90794    | 19.06  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.341 | 106  | 64720    | 38.03  | ug/l   | 90       |
| 69) o-Xylene                  | 10.682 | 106  | 31395    | 18.99  | ug/l   | 92       |
| 70) Styrene                   | 10.694 | 104  | 54232    | 19.54  | ug/l   | 95       |
| 71) Bromoform                 | 10.841 | 173  | 15431    | 19.97  | ug/l # | 99       |
| 73) Isopropylbenzene          | 11.000 | 105  | 86855    | 18.32  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.876 | 43   | 40321    | 16.77  | ug/l # | 88       |
| 75) 1,1,2,2-Tetrachloroethane | 11.253 | 83   | 29110    | 18.50  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.276 | 75   | 28807m   | 19.46  | ug/l   |          |
| 77) Bromobenzene              | 11.235 | 156  | 21475    | 19.09  | ug/l   | 93       |
| 78) n-propylbenzene           | 11.341 | 91   | 101868   | 18.37  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.406 | 91   | 61823    | 18.36  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.488 | 105  | 75937    | 18.93  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.059 | 75   | 8969     | 16.45  | ug/l # | 84       |
| 82) 4-Chlorotoluene           | 11.494 | 91   | 74753    | 18.85  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 11.753 | 119  | 72176    | 18.90  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 11.788 | 105  | 77530    | 19.01  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 11.929 | 105  | 84961    | 18.88  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.047 | 119  | 78082    | 18.93  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 12.006 | 146  | 38622    | 18.82  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.082 | 146  | 38358    | 18.28  | ug/l   | 95       |
| 89) n-Butylbenzene            | 12.371 | 91   | 68932    | 18.34  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.577 | 117  | 13701    | 21.81  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 12.377 | 146  | 37635    | 18.81  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.983 | 75   | 6433     | 15.94  | ug/l   | 82       |
| 93) 1,2,4-Trichlorobenzene    | 13.630 | 180  | 22852    | 17.37  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.765 | 225  | 10734    | 19.45  | ug/l   | 97       |
| 95) Naphthalene               | 13.818 | 128  | 73861    | 16.32  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.000 | 180  | 22253    | 16.99  | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032221\  
Data File : VX021348.D  
Acq On : 22 Mar 2021 11:28  
Operator : JC/MD  
Sample : VX0322WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0322WBS01

Manual Integrations  
APPROVED

MMDadoda  
3/23/2021 10:48:24 AM

Quant Time: Mar 23 01:57:36 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031621W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 16 14:00:21 2021  
Response via : Initial Calibration

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

-----

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

