

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072321\  
 Data File : VX023436.D  
 Acq On : 23 Jul 2021 20:07  
 Operator : JC/MD  
 Sample : M3145-08MSD  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 152140-MW-1S(OFFSITE)MSD

Manual Integrations  
 APPROVED

MMDadoda  
 7/26/2021 5:21:22 PM

Quant Time: Jul 24 03:46:57 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 06:05:38 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.562          | 168  | 203731              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769          | 114  | 330199              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 305597              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 136646              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964          | 65   | 127642              | 50.226  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 100.460% |         |        |          |
| 35) Dibromofluoromethane     | 5.397          | 113  | 105893              | 51.291  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 102.580% |         |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 390544              | 51.488  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 102.980% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.085         | 95   | 136029              | 52.739  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 105.480% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 98327               | 52.460  | ug/l   | 97       |
| 3) Chloromethane             | 1.294          | 50   | 114011              | 52.217  | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.374          | 62   | 114089              | 51.620  | ug/l   | 97       |
| 5) Bromomethane              | 1.599          | 94   | 66259               | 50.496  | ug/l   | 100      |
| 6) Chloroethane              | 1.678          | 64   | 73140               | 53.921  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 180978              | 50.825  | ug/l   | 97       |
| 8) Diethyl Ether             | 2.136          | 74   | 67130               | 51.077  | ug/l   | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 102032              | 50.577  | ug/l   | 97       |
| 10) Methyl Iodide            | 2.453          | 142  | 140173              | 55.459  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.983          | 59   | 145822              | 251.178 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 102951              | 51.429  | ug/l   | 96       |
| 13) Acrolein                 | 2.239          | 56   | 85165               | 288.355 | ug/l   | 98       |
| 14) Allyl chloride           | 2.666          | 41   | 179659              | 49.364  | ug/l   | 95       |
| 15) Acrylonitrile            | 3.075          | 53   | 350720              | 267.527 | ug/l   | 99       |
| 16) Acetone                  | 2.392          | 43   | 310162              | 248.797 | ug/l   | 95       |
| 17) Carbon Disulfide         | 2.514          | 76   | 240245              | 48.671  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.715          | 43   | 140398              | 47.376  | ug/l   | 92       |
| 19) Methyl tert-butyl Ether  | 3.123          | 73   | 364179              | 52.322  | ug/l   | 98       |
| 20) Methylene Chloride       | 2.794          | 84   | 118631              | 48.921  | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene | 3.099          | 96   | 110423              | 51.927  | ug/l   | 99       |
| 22) Diisopropyl ether        | 3.770          | 45   | 378068              | 52.624  | ug/l   | 96       |
| 23) Vinyl Acetate            | 3.733          | 43   | 1515226             | 238.919 | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 3.617          | 63   | 204814              | 51.868  | ug/l   | 97       |
| 25) 2-Butanone               | 4.568          | 43   | 508595              | 262.787 | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 4.483          | 77   | 125083              | 38.730  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.495          | 96   | 130291              | 52.757  | ug/l   | 97       |
| 28) Bromochloromethane       | 4.904          | 49   | 94287               | 51.164  | ug/l   | 95       |
| 29) Tetrahydrofuran          | 5.019          | 42   | 334423              | 263.617 | ug/l   | 90       |
| 30) Chloroform               | 5.105          | 83   | 212098              | 52.478  | ug/l   | 97       |
| 31) Cyclohexane              | 5.477          | 56   | 185465              | 49.264  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 184157              | 53.315  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.702          | 75   | 153027              | 51.231  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.727          | 43   | 174038              | 46.211  | ug/l   | 95       |
| 38) Carbon Tetrachloride     | 5.684          | 117  | 158486              | 52.173  | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.385          | 83   | 189670              | 50.280  | ug/l   | 99       |
| 40) Benzene                  | 6.050          | 78   | 464833              | 52.486  | ug/l   | 99       |

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 Sample : M3145-08MSD  
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 ALS Vial : 28 Sample Multiplier: 1

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 MSVOA\_X  
 ClientSampleId :  
 152140-MW-1S(OFFSITE)MSD

Manual Integrations  
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MMDadoda  
 7/26/2021 5:21:22 PM

Quant Time: Jul 24 03:46:57 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 06:05:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 103070   | 51.831   | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 6.098  | 62   | 173043   | 52.844   | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 285366   | 48.899   | ug/l   | 94       |
| 44) Trichloroethene           | 7.129  | 130  | 126856   | 52.139   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 120711   | 51.508   | ug/l   | 98       |
| 46) Dibromomethane            | 7.586  | 93   | 84972    | 53.454   | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.830  | 83   | 155434   | 54.273   | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.696  | 41   | 147839   | 54.699   | ug/l   | 88       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 60604    | 1053.025 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 986368   | 276.333  | ug/l   | 91       |
| 52) Toluene                   | 8.720  | 92   | 294431   | 53.662   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 172682   | 47.630   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 182283   | 51.057   | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 9.159  | 97   | 125604   | 56.532   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 197461   | 55.444   | ug/l # | 85       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 204318   | 54.119   | ug/l   | 100      |
| 59) 2-Hexanone                | 9.433  | 43   | 747339   | 275.711  | ug/l   | 88       |
| 60) Dibromochloromethane      | 9.525  | 129  | 124077   | 50.371   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.616  | 107  | 131487   | 55.469   | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.281  | 164  | 121859   | 50.103   | ug/l   | 98       |
| 65) Chlorobenzene             | 10.086 | 112  | 319527   | 51.085   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 118330   | 49.248   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 560526   | 51.671   | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.305 | 106  | 425998   | 102.108  | ug/l   | 99       |
| 69) o-Xylene                  | 10.646 | 106  | 209338   | 50.610   | ug/l   | 99       |
| 70) Styrene                   | 10.659 | 104  | 342100   | 52.200   | ug/l   | 98       |
| 71) Bromoform                 | 10.805 | 173  | 83126    | 44.540   | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 552919   | 53.624   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.848 | 43   | 220818   | 46.942   | ug/l   | 91       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 175412   | 52.225   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 160468m  | 53.365   | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 134165   | 53.940   | ug/l   | 94       |
| 78) n-propylbenzene           | 11.305 | 91   | 622629   | 53.355   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 364571   | 52.282   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 446506   | 53.174   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75   | 51891    | 46.401   | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 414713   | 52.569   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 439895   | 53.406   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 451241   | 54.024   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.896 | 105  | 554551   | 51.925   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 457693   | 53.069   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 235465   | 51.170   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 237607   | 50.888   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.335 | 91   | 392332   | 50.252   | ug/l   | 98       |
| 90) Hexachloroethane          | 12.542 | 117  | 71660    | 46.530   | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 229627   | 51.536   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 37316    | 45.972   | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 141954   | 50.709   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 59281    | 47.188   | ug/l   | 99       |
| 95) Naphthalene               | 13.780 | 128  | 520882   | 54.119   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 147259   | 52.093   | ug/l   | 99       |

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ALS Vial : 28 Sample Multiplier: 1

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152140-MW-1S(OFFSITE)MSD

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7/26/2021 5:21:22 PM

Quant Time: Jul 24 03:46:57 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072221W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 23 06:05:38 2021  
Response via : Initial Calibration

| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

