

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032921\  
 Data File : VX021590.D  
 Acq On : 29 Mar 2021 20:21  
 Operator : JC/MD  
 Sample : M1785-12MSD 10X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-1MSD

Manual Integrations  
 APPROVED

MMDadoda  
 3/31/2021 9:58:58 AM

Quant Time: Mar 30 03:32:56 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 24 12:25:26 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response           | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|--------------------|--------|--------|----------|
| -----                        |                |      |                    |        |        |          |
| Internal Standards           |                |      |                    |        |        |          |
| 1) Pentafluorobenzene        | 5.629          | 168  | 78212              | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.829          | 114  | 133786             | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.094         | 117  | 126299             | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.059         | 152  | 62506              | 50.00  | ug/l   | 0.00     |
|                              |                |      |                    |        |        |          |
| System Monitoring Compounds  |                |      |                    |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 6.029          | 65   | 68651              | 52.75  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 105.50% |        |        |          |
| 35) Dibromofluoromethane     | 5.464          | 113  | 48404              | 50.93  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 101.86% |        |        |          |
| 50) Toluene-d8               | 8.694          | 98   | 174489             | 51.53  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 103.06% |        |        |          |
| 62) 4-Bromofluorobenzene     | 11.118         | 95   | 68823              | 52.27  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 104.54% |        |        |          |
|                              |                |      |                    |        |        |          |
| Target Compounds             |                |      |                    |        |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.181          | 85   | 40698              | 47.34  | ug/l   | 98       |
| 3) Chloromethane             | 1.311          | 50   | 46662              | 47.22  | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.393          | 62   | 44001              | 50.04  | ug/l   | 100      |
| 5) Bromomethane              | 1.622          | 94   | 19647              | 55.52  | ug/l   | 95       |
| 6) Chloroethane              | 1.699          | 64   | 27541              | 49.39  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.905          | 101  | 71053              | 49.68  | ug/l   | 95       |
| 8) Diethyl Ether             | 2.170          | 74   | 24805              | 49.98  | ug/l   | 78       |
| 9) 1,1,2-Trichlorotrifluo... | 2.358          | 101  | 39243              | 48.75  | ug/l   | 97       |
| 10) Methyl Iodide            | 2.487          | 142  | 34810              | 54.66  | ug/l # | 89       |
| 11) Tert butyl alcohol       | 3.023          | 59   | 54297              | 252.38 | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 2.352          | 96   | 37296              | 47.32  | ug/l   | 88       |
| 13) Acrolein                 | 2.275          | 56   | 17861              | 166.06 | ug/l   | 96       |
| 14) Allyl chloride           | 2.705          | 41   | 76725              | 47.96  | ug/l # | 89       |
| 15) Acrylonitrile            | 3.117          | 53   | 131304             | 256.81 | ug/l   | 97       |
| 16) Acetone                  | 2.422          | 43   | 122943             | 249.86 | ug/l # | 86       |
| 17) Carbon Disulfide         | 2.546          | 76   | 94022              | 42.48  | ug/l   | 98       |
| 18) Methyl Acetate           | 2.746          | 43   | 78622              | 55.31  | ug/l   | 90       |
| 19) Methyl tert-butyl Ether  | 3.170          | 73   | 148316             | 50.39  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.828          | 84   | 45839              | 47.74  | ug/l # | 86       |
| 21) trans-1,2-Dichloroethene | 3.134          | 96   | 40805              | 47.13  | ug/l   | 91       |
| 22) Diisopropyl ether        | 3.823          | 45   | 157793             | 50.76  | ug/l # | 94       |
| 23) Vinyl Acetate            | 3.781          | 43   | 658893             | 250.61 | ug/l # | 92       |
| 24) 1,1-Dichloroethane       | 3.664          | 63   | 83017              | 49.54  | ug/l   | 96       |
| 25) 2-Butanone               | 4.635          | 43   | 191740             | 257.07 | ug/l   | 91       |
| 26) 2,2-Dichloropropane      | 4.546          | 77   | 63370              | 43.65  | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 4.558          | 96   | 49479              | 49.22  | ug/l   | 93       |
| 28) Bromochloromethane       | 4.976          | 49   | 42858              | 51.09  | ug/l   | 87       |
| 29) Tetrahydrofuran          | 5.088          | 42   | 122106             | 252.49 | ug/l   | 86       |
| 30) Chloroform               | 5.176          | 83   | 90051              | 50.92  | ug/l   | 99       |
| 31) Cyclohexane              | 5.546          | 56   | 68816              | 48.09  | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 5.458          | 97   | 79108              | 50.48  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 5.764          | 75   | 61703              | 47.07  | ug/l   | 96       |
| 37) Ethyl Acetate            | 4.793          | 43   | 71006              | 46.85  | ug/l # | 93       |
| 38) Carbon Tetrachloride     | 5.746          | 117  | 69406              | 49.27  | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.435          | 83   | 65842              | 45.31  | ug/l   | 91       |
| 40) Benzene                  | 6.111          | 78   | 179094             | 48.11  | ug/l   | 99       |

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 ALS Vial : 28 Sample Multiplier: 1

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 Quant Title : SW846 8260  
 QLast Update : Wed Mar 24 12:25:26 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 5.005  | 41   | 41849    | 47.60   | ug/l   | 89       |
| 42) 1,2-Dichloroethane        | 6.158  | 62   | 78533    | 48.66   | ug/l   | 94       |
| 43) Isopropyl Acetate         | 6.411  | 43   | 121138   | 49.22   | ug/l # | 90       |
| 44) Trichloroethene           | 7.188  | 130  | 46818    | 47.66   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 7.488  | 63   | 49076    | 48.67   | ug/l   | 96       |
| 46) Dibromomethane            | 7.635  | 93   | 35479    | 48.27   | ug/l   | 92       |
| 47) Bromodichloromethane      | 7.876  | 83   | 73771    | 49.32   | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.747  | 41   | 64379    | 49.04   | ug/l # | 83       |
| 49) 1,4-Dioxane               | 7.711  | 88   | 24092    | 1025.01 | ug/l # | 89       |
| 51) 4-Methyl-2-Pentanone      | 8.617  | 43   | 390991   | 258.28  | ug/l   | 88       |
| 52) Toluene                   | 8.765  | 92   | 114366   | 49.74   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 9.023  | 75   | 74599    | 49.39   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.412  | 75   | 77542    | 48.25   | ug/l # | 84       |
| 55) 1,1,2-Trichloroethane     | 9.194  | 97   | 48656    | 50.14   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.159  | 69   | 75245    | 46.08   | ug/l # | 76       |
| 57) 1,3-Dichloropropane       | 9.353  | 76   | 81875    | 49.30   | ug/l   | 100      |
| 59) 2-Hexanone                | 9.470  | 43   | 301146   | 264.93  | ug/l   | 84       |
| 60) Dibromochloromethane      | 9.565  | 129  | 55375    | 50.95   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.653  | 107  | 52101    | 49.98   | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.318  | 164  | 41551    | 49.11   | ug/l   | 93       |
| 65) Chlorobenzene             | 10.124 | 112  | 124401   | 49.03   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.206 | 131  | 49790    | 51.21   | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.235 | 91   | 231805   | 50.12   | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.341 | 106  | 166292   | 100.93  | ug/l   | 91       |
| 69) o-Xylene                  | 10.682 | 106  | 80942    | 50.72   | ug/l   | 96       |
| 70) Styrene                   | 10.694 | 104  | 137003   | 49.92   | ug/l   | 95       |
| 71) Bromoform                 | 10.841 | 173  | 40963    | 51.85   | ug/l # | 97       |
| 73) Isopropylbenzene          | 11.000 | 105  | 319065   | 72.65   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.882 | 43   | 106130   | 49.94   | ug/l # | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 11.253 | 83   | 78037    | 50.29   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.277 | 75   | 76105m   | 52.30   | ug/l   |          |
| 77) Bromobenzene              | 11.241 | 156  | 53955    | 49.56   | ug/l   | 96       |
| 78) n-propylbenzene           | 11.341 | 91   | 450578   | 86.87   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.406 | 91   | 157280   | 49.99   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.488 | 105  | 192203   | 51.22   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.059 | 75   | 23305    | 48.78   | ug/l # | 83       |
| 82) 4-Chlorotoluene           | 11.494 | 91   | 183217   | 49.05   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.753 | 119  | 192441   | 52.68   | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 11.788 | 105  | 426289   | 112.71  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.930 | 105  | 253761   | 60.22   | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 12.047 | 119  | 194101   | 50.60   | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 12.006 | 146  | 98348    | 50.17   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.083 | 146  | 97747    | 48.20   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.371 | 91   | 192711   | 54.84   | ug/l   | 97       |
| 90) Hexachloroethane          | 12.577 | 117  | 36417    | 52.61   | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 12.377 | 146  | 95609    | 50.16   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.983 | 75   | 18553    | 47.54   | ug/l   | 83       |
| 93) 1,2,4-Trichlorobenzene    | 13.630 | 180  | 60583    | 48.49   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.765 | 225  | 25982    | 46.08   | ug/l   | 97       |
| 95) Naphthalene               | 13.812 | 128  | 221159   | 54.28   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.000 | 180  | 59642    | 47.76   | ug/l   | 96       |

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Quant Title : SW846 8260  
QLast Update : Wed Mar 24 12:25:26 2021  
Response via : Initial Calibration

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

