

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101723\  
 Data File : VX038321.D  
 Acq On : 17 Oct 2023 11:56  
 Operator : JC/MD  
 Sample : VX1017MBS01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1017MBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/18/2023  
 Supervised By : Semsettin Yesilyurt 10/20/2023

Quant Time: Oct 18 03:54:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 05 15:27:13 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|------------|---------|-------|----------|
| -----                        |                |      |            |         |       |          |
| Internal Standards           |                |      |            |         |       |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 124279     | 50.000  | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 210942     | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 212173     | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 118953     | 50.000  | ug/l  | 0.00     |
|                              |                |      |            |         |       |          |
| System Monitoring Compounds  |                |      |            |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 91968      | 46.008  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 92.020% |       |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 73870      | 48.600  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 97.200% |       |          |
| 50) Toluene-d8               | 8.647          | 98   | 284220     | 48.934  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 97.860% |       |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 109532     | 49.743  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 99.480% |       |          |
|                              |                |      |            |         |       |          |
| Target Compounds             |                |      |            |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.167          | 85   | 23657      | 19.721  | ug/l  | 99       |
| 3) Chloromethane             | 1.301          | 50   | 25774      | 21.080  | ug/l  | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 35371      | 26.092  | ug/l  | 100      |
| 5) Bromomethane              | 1.605          | 94   | 32133      | 17.494  | ug/l  | 99       |
| 6) Chloroethane              | 1.685          | 64   | 23160      | 23.740  | ug/l  | 95       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 64791      | 24.197  | ug/l  | 99       |
| 8) Diethyl Ether             | 2.130          | 74   | 22405      | 22.436  | ug/l  | 78       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 25766      | 22.042  | ug/l  | 98       |
| 10) Methyl Iodide            | 2.453          | 142  | 33408      | 19.863  | ug/l  | 96       |
| 11) Tert butyl alcohol       | 2.953          | 59   | 37951      | 78.393  | ug/l  | # 90     |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 23514      | 20.680  | ug/l  | 89       |
| 13) Acrolein                 | 2.233          | 56   | 29777      | 104.785 | ug/l  | 100      |
| 14) Allyl chloride           | 2.666          | 41   | 38228      | 18.796  | ug/l  | 94       |
| 15) Acrylonitrile            | 3.063          | 53   | 88422      | 97.201  | ug/l  | 98       |
| 16) Acetone                  | 2.374          | 43   | 89585      | 107.383 | ug/l  | 91       |
| 17) Carbon Disulfide         | 2.514          | 76   | 59630      | 18.196  | ug/l  | 96       |
| 18) Methyl Acetate           | 2.703          | 43   | 71739      | 20.052  | ug/l  | 94       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 84505      | 18.661  | ug/l  | 98       |
| 20) Methylene Chloride       | 2.788          | 84   | 29870      | 19.035  | ug/l  | 89       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 28388      | 20.164  | ug/l  | 86       |
| 22) Diisopropyl ether        | 3.757          | 45   | 82403      | 19.332  | ug/l  | # 95     |
| 23) Vinyl Acetate            | 3.721          | 43   | 296364     | 94.809  | ug/l  | 95       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 50266      | 19.431  | ug/l  | 98       |
| 25) 2-Butanone               | 4.556          | 43   | 132988     | 98.798  | ug/l  | 91       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 37454      | 18.545  | ug/l  | 96       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 33226      | 19.816  | ug/l  | 89       |
| 28) Bromochloromethane       | 4.898          | 49   | 21620      | 18.514  | ug/l  | 87       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 84149      | 96.020  | ug/l  | 88       |
| 30) Chloroform               | 5.087          | 83   | 56691      | 20.041  | ug/l  | 96       |
| 31) Cyclohexane              | 5.471          | 56   | 42320      | 19.541  | ug/l  | 90       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 48442      | 19.993  | ug/l  | 98       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 41282      | 19.695  | ug/l  | 98       |
| 37) Ethyl Acetate            | 4.715          | 43   | 49011      | 19.689  | ug/l  | 98       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 40988      | 19.878  | ug/l  | 99       |
| 39) Methylcyclohexane        | 7.379          | 83   | 49644      | 20.221  | ug/l  | 93       |
| 40) Benzene                  | 6.038          | 78   | 118792     | 20.263  | ug/l  | 99       |

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Quant Time: Oct 18 03:54:47 2023  
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 Quant Title : SW846 8260  
 QLast Update : Thu Oct 05 15:27:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 24461    | 19.753  | ug/l # | 90       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 46935    | 20.038  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 69203    | 18.622  | ug/l   | 98       |
| 44) Trichloroethene           | 7.123  | 130  | 32121    | 20.949  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 30219    | 19.916  | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 23896    | 20.306  | ug/l   | 95       |
| 47) Bromodichloromethane      | 7.818  | 83   | 42942    | 20.512  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.690  | 41   | 34051    | 19.194  | ug/l # | 82       |
| 49) 1,4-Dioxane               | 7.653  | 88   | 17908    | 409.648 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone      | 8.568  | 43   | 265036   | 103.399 | ug/l   | 97       |
| 52) Toluene                   | 8.720  | 92   | 82804    | 21.683  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 43454    | 19.337  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 47489    | 20.114  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 34591    | 21.177  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 49210    | 19.649  | ug/l   | 92       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 55015    | 20.824  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 111778   | 90.928  | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 219282   | 106.415 | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.519  | 129  | 33087    | 20.697  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 37049    | 20.974  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 28066    | 20.433  | ug/l   | 99       |
| 65) Chlorobenzene             | 10.080 | 112  | 90833    | 20.459  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 31410    | 20.921  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 161584   | 20.389  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 123889   | 40.429  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 60257    | 20.148  | ug/l   | 99       |
| 70) Styrene                   | 10.653 | 104  | 101524   | 20.845  | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 23801    | 18.974  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.964 | 105  | 162170   | 20.329  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 62828    | 18.443  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 60472    | 20.658  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 54353m   | 20.099  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 39403    | 20.231  | ug/l   | 92       |
| 78) n-propylbenzene           | 11.305 | 91   | 196968   | 20.193  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 114405   | 19.777  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 138964   | 20.191  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 13725    | 17.658  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 132830   | 19.405  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 134073   | 19.937  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 139839   | 20.379  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 177890   | 20.420  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 146612   | 20.399  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 77809    | 19.891  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 78617    | 19.685  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.335 | 91   | 139352   | 19.468  | ug/l   | 96       |
| 90) Hexachloroethane          | 12.536 | 117  | 22641    | 18.999  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 76079    | 20.233  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 13121    | 18.539  | ug/l   | 83       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 49794    | 19.744  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 21318    | 21.001  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 165484   | 18.842  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 48423    | 19.829  | ug/l   | 98       |

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Quant Time: Oct 18 03:54:47 2023  
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Quant Title : SW846 8260  
QLast Update : Thu Oct 05 15:27:13 2023  
Response via : Initial Calibration

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

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