

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX010324\  
 Data File : VX039608.D  
 Acq On : 03 Jan 2024 17:29  
 Operator : JC/MD  
 Sample : VX0103MBS01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0103MBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/04/2024  
 Supervised By : Mahesh Dadoda 01/04/2024

Quant Time: Jan 04 03:36:09 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X121323W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 01:28:15 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 101194              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 189081              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 175331              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 82744               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 95631               | 51.586  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 103.180% |         |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 70957               | 54.321  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 108.640% |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 256530              | 52.898  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 105.800% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 100743              | 50.349  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 100.700% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.167          | 85   | 27324               | 19.216  | ug/l   | 96       |
| 3) Chloromethane             | 1.295          | 50   | 32432               | 20.573  | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.374          | 62   | 30402               | 20.737  | ug/l   | 98       |
| 5) Bromomethane              | 1.605          | 94   | 18398               | 21.812  | ug/l   | 94       |
| 6) Chloroethane              | 1.691          | 64   | 18528               | 20.971  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 1.892          | 101  | 43464               | 20.246  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.130          | 74   | 17230               | 23.189  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 26737               | 20.409  | ug/l   | 95       |
| 10) Methyl Iodide            | 2.453          | 142  | 28875               | 21.324  | ug/l   | 93       |
| 11) Tert butyl alcohol       | 2.947          | 59   | 48137               | 103.405 | ug/l # | 95       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 25951               | 19.942  | ug/l   | 97       |
| 13) Acrolein                 | 2.233          | 56   | 31728               | 85.434  | ug/l   | 98       |
| 14) Allyl chloride           | 2.666          | 41   | 53504               | 20.296  | ug/l   | 96       |
| 15) Acrylonitrile            | 3.056          | 53   | 106736              | 114.549 | ug/l   | 99       |
| 16) Acetone                  | 2.374          | 43   | 95581               | 71.951  | ug/l   | 94       |
| 17) Carbon Disulfide         | 2.514          | 76   | 66174               | 17.377  | ug/l   | 98       |
| 18) Methyl Acetate           | 2.697          | 43   | 95621               | 23.848  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 103909              | 22.079  | ug/l   | 98       |
| 20) Methylene Chloride       | 2.788          | 84   | 33332               | 21.569  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 27834               | 19.657  | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.757          | 45   | 107949              | 22.496  | ug/l   | 99       |
| 23) Vinyl Acetate            | 3.721          | 43   | 394401              | 110.400 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 57981               | 21.375  | ug/l   | 99       |
| 25) 2-Butanone               | 4.550          | 43   | 151287              | 94.573  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 44071               | 18.610  | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 33665               | 21.540  | ug/l   | 100      |
| 28) Bromochloromethane       | 4.898          | 49   | 27903               | 21.082  | ug/l   | 93       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 100226              | 113.452 | ug/l   | 99       |
| 30) Chloroform               | 5.093          | 83   | 56655               | 20.900  | ug/l   | 99       |
| 31) Cyclohexane              | 5.471          | 56   | 47222               | 19.722  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 47164               | 20.042  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 40682               | 19.736  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.709          | 43   | 54235               | 21.296  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 38303               | 19.471  | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.379          | 83   | 46765               | 18.887  | ug/l   | 99       |
| 40) Benzene                  | 6.038          | 78   | 121583              | 20.851  | ug/l   | 99       |

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Instrument :  
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 Quant Title : SW846 8260  
 QLast Update : Thu Dec 14 01:28:15 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 29868    | 21.982  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 48704    | 20.634  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 91694    | 22.142  | ug/l   | 100      |
| 44) Trichloroethene           | 7.123  | 130  | 28621    | 19.451  | ug/l   | 88       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 34037    | 21.750  | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 22909    | 20.825  | ug/l   | 95       |
| 47) Bromodichloromethane      | 7.818  | 83   | 43901    | 20.872  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 52468    | 21.672  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 7.653  | 88   | 14269    | 437.236 | ug/l # | 99       |
| 51) 4-Methyl-2-Pentanone      | 8.568  | 43   | 302656   | 114.704 | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 74583    | 21.192  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 47036    | 20.312  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 49970    | 20.055  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 32030    | 21.800  | ug/l   | 91       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 39899    | 22.245  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 55107    | 21.695  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 126306   | 119.926 | ug/l   | 93       |
| 59) 2-Hexanone                | 9.427  | 43   | 238879   | 104.900 | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.519  | 129  | 30243    | 20.353  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 34130    | 21.760  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.275  | 164  | 22545    | 19.678  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.080 | 112  | 76711    | 20.045  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 27487    | 20.334  | ug/l   | 97       |
| 67) Ethyl Benzene             | 10.189 | 91   | 144389   | 20.269  | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.299 | 106  | 104331   | 40.848  | ug/l   | 95       |
| 69) o-Xylene                  | 10.640 | 106  | 50582    | 20.483  | ug/l   | 94       |
| 70) Styrene                   | 10.653 | 104  | 75049    | 20.788  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 19485    | 19.392  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.964 | 105  | 133664   | 20.937  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 74966    | 23.209  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 55119    | 23.209  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 47397m   | 22.141  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 31751    | 22.491  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.305 | 91   | 162698   | 20.684  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 99079    | 20.825  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 115975   | 21.325  | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 14394    | 18.968  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 115789   | 20.720  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 110481   | 21.346  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 117051   | 20.987  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 135528   | 20.577  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 113606   | 20.553  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 56153    | 20.246  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 57097    | 19.772  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 109742   | 20.197  | ug/l   | 96       |
| 90) Hexachloroethane          | 12.536 | 117  | 18864    | 18.893  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 56447    | 21.271  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 13165    | 21.046  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 35747    | 20.572  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 13500    | 20.616  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 137106   | 22.657  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 35340    | 21.067  | ug/l   | 98       |

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| 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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