

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050922\  
 Data File : VX028573.D  
 Acq On : 09 May 2022 16:37  
 Operator : JC/MD  
 Sample : VX0509MBS02  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0509MBS02

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 05/10/2022  
 Supervised By :Mahesh Dadoda 05/10/2022

Quant Time: May 10 04:54:40 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041922W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 19 13:38:04 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 372994     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 574643     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 520722     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 273278     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 222915     | 45.835   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = | 91.680%  |        |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 205446     | 50.980   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = | 101.960% |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 701919     | 45.349   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = | 90.700%  |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 266435     | 45.020   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = | 90.040%  |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 53423      | 22.188   | ug/l   | 99       |
| 3) Chloromethane             | 1.294          | 50   | 51083      | 19.577   | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 61343      | 16.314   | ug/l   | 99       |
| 5) Bromomethane              | 1.605          | 94   | 83427      | 19.990   | ug/l   | 99       |
| 6) Chloroethane              | 1.685          | 64   | 45013      | 14.422   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 118191     | 14.254   | ug/l   | 98       |
| 8) Diethyl Ether             | 2.136          | 74   | 46731      | 16.681   | ug/l   | 93       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 67596      | 22.379   | ug/l   | 97       |
| 10) Methyl Iodide            | 2.453          | 142  | 78860      | 22.327   | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.965          | 59   | 90492      | 90.835   | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 59029      | 20.592   | ug/l   | 98       |
| 13) Acrolein                 | 2.239          | 56   | 44970      | 75.448   | ug/l   | 99       |
| 14) Allyl chloride           | 2.666          | 41   | 83688      | 17.399   | ug/l   | 92       |
| 15) Acrylonitrile            | 3.062          | 53   | 198479     | 100.144  | ug/l   | 99       |
| 16) Acetone                  | 2.380          | 43   | 168197     | 112.462  | ug/l   | 96       |
| 17) Carbon Disulfide         | 2.514          | 76   | 96701      | 12.527   | ug/l   | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 87424      | 20.218   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 237518     | 19.870   | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 73174      | 20.278   | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 64796      | 16.621   | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.764          | 45   | 207047     | 18.899   | ug/l   | 92       |
| 23) Vinyl Acetate            | 3.721          | 43   | 874043     | 91.321   | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 122781     | 18.981   | ug/l   | 98       |
| 25) 2-Butanone               | 4.556          | 43   | 267991     | 93.043   | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 100644     | 15.935   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 86196      | 18.543   | ug/l   | 92       |
| 28) Bromochloromethane       | 4.904          | 49   | 52365      | 18.868   | ug/l   | 88       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 167979     | 89.443   | ug/l   | 100      |
| 30) Chloroform               | 5.099          | 83   | 140301     | 18.060   | ug/l   | 96       |
| 31) Cyclohexane              | 5.471          | 56   | 90996      | 15.357   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 118572     | 16.855   | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 90009      | 17.123   | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.715          | 43   | 101439     | 19.018   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 99386      | 16.748   | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.379          | 83   | 100403     | 15.138   | ug/l   | 97       |
| 40) Benzene                  | 6.038          | 78   | 280585     | 18.235   | ug/l   | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 54828    | 19.923  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 102329   | 17.915  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 160234   | 18.458  | ug/l   | 99       |
| 44) Trichloroethene           | 7.129  | 130  | 83528    | 18.719  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 72424    | 19.229  | ug/l   | 99       |
| 46) Dibromomethane            | 7.586  | 93   | 55111    | 18.653  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.824  | 83   | 99842    | 17.582  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.696  | 41   | 75920    | 19.049  | ug/l   | 92       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 40460    | 379.478 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 543774   | 97.614  | ug/l   | 97       |
| 52) Toluene                   | 8.720  | 92   | 189117   | 17.691  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 99681    | 16.517  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 111776   | 17.247  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 84715    | 19.504  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 120128   | 19.080  | ug/l # | 91       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 134169   | 19.138  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 278656   | 94.328  | ug/l   | 94       |
| 59) 2-Hexanone                | 9.433  | 43   | 415717   | 96.340  | ug/l   | 94       |
| 60) Dibromochloromethane      | 9.525  | 129  | 79305    | 16.748  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 86919    | 18.241  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.275  | 164  | 79732    | 19.603  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 218285   | 19.661  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 80819    | 19.542  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 366005   | 19.660  | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.305 | 106  | 291408   | 38.461  | ug/l   | 97       |
| 69) o-Xylene                  | 10.640 | 106  | 146411   | 19.382  | ug/l   | 97       |
| 70) Styrene                   | 10.659 | 104  | 241652   | 19.746  | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 58063    | 17.702  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 385574   | 20.527  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 133236   | 20.522  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 131822   | 21.627  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 115953m  | 21.559  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 100521   | 20.548  | ug/l   | 90       |
| 78) n-propylbenzene           | 11.305 | 91   | 424860   | 20.398  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 258511   | 19.964  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 316512   | 19.851  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 28808    | 15.918  | ug/l # | 82       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 295588   | 19.817  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 323707   | 19.882  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 319336   | 20.148  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 383960   | 19.547  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 326752   | 19.282  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 187551   | 20.404  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 193149   | 20.013  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.335 | 91   | 262426   | 18.860  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.542 | 117  | 47361    | 16.783  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 192411   | 21.072  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 26378    | 19.459  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 119535   | 22.010  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 50224    | 20.724  | ug/l   | 94       |
| 95) Naphthalene               | 13.774 | 128  | 427089   | 23.607  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 119992   | 22.509  | ug/l   | 97       |

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

