

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020723\  
 Data File : VY012510.D  
 Acq On : 07 Feb 2023 10:36  
 Operator : KP/MD  
 Sample : VSTDICC010  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC010

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 02/08/2023  
 Supervised By :Mahesh Dadoda 02/08/2023

Quant Time: Feb 07 21:46:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020723S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 07 21:44:35 2023  
 Response via : Initial Calibration

02/08/2023  
 Supervised By :Mahesh  
 Dadoda

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 141820   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 212444   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 196407   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 103927   | 50.000 | ug/l  | 0.00     |

02/08/2023

System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 8.142  | 65    | 18411    | 10.209   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 50 - 163 | Recovery | =    | 20.420%# |
| 35) Dibromofluoromethane  | 7.722  | 113   | 15354    | 9.924    | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 54 - 147 | Recovery | =    | 19.840%# |
| 50) Toluene-d8            | 10.179 | 98    | 65598    | 10.187   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 49 - 140 | Recovery | =    | 20.380%# |
| 62) 4-Bromofluorobenzene  | 12.483 | 95    | 21260    | 9.465    | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 25 - 144 | Recovery | =    | 18.920%# |

Target Compounds

|                              |       |     |        |        |        | Qvalue |
|------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 13459  | 10.651 | ug/l   | 98     |
| 3) Chloromethane             | 2.113 | 50  | 12433  | 11.252 | ug/l   | 89     |
| 4) Vinyl Chloride            | 2.253 | 62  | 14937  | 10.850 | ug/l   | 98     |
| 5) Bromomethane              | 2.656 | 94  | 12758  | 10.411 | ug/l   | 100    |
| 6) Chloroethane              | 2.796 | 64  | 10065  | 10.504 | ug/l   | 98     |
| 7) Trichlorofluoromethane    | 3.131 | 101 | 29683  | 10.490 | ug/l   | 100    |
| 8) Diethyl Ether             | 3.533 | 74  | 8547   | 10.187 | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluo... | 3.905 | 101 | 14944  | 10.459 | ug/l   | 99     |
| 10) Methyl Iodide            | 4.094 | 142 | 18014  | 9.725  | ug/l   | 100    |
| 11) Tert butyl alcohol       | 4.942 | 59  | 13060  | 68.423 | ug/l # | 92     |
| 12) 1,1-Dichloroethene       | 3.875 | 96  | 14829  | 10.503 | ug/l   | 84     |
| 13) Acrolein                 | 3.729 | 56  | 10791  | 50.899 | ug/l   | 99     |
| 14) Allyl chloride           | 4.478 | 41  | 17159  | 9.968  | ug/l   | 98     |
| 15) Acrylonitrile            | 5.161 | 53  | 19114  | 49.378 | ug/l   | 97     |
| 16) Acetone                  | 3.948 | 43  | 20802  | 47.925 | ug/l   | 99     |
| 17) Carbon Disulfide         | 4.198 | 76  | 40006  | 10.925 | ug/l   | 100    |
| 18) Methyl Acetate           | 4.478 | 43  | 10156  | 9.735  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether  | 5.216 | 73  | 41046  | 9.935  | ug/l   | 96     |
| 20) Methylene Chloride       | 4.716 | 84  | 22449  | 10.514 | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene | 5.228 | 96  | 16175  | 10.505 | ug/l   | 98     |
| 22) Diisopropyl ether        | 6.124 | 45  | 35900  | 10.256 | ug/l   | 98     |
| 23) Vinyl Acetate            | 6.057 | 43  | 104966 | 49.744 | ug/l   | 99     |
| 24) 1,1-Dichloroethane       | 6.021 | 63  | 26233  | 10.484 | ug/l   | 98     |
| 25) 2-Butanone               | 6.978 | 43  | 23634  | 49.075 | ug/l   | 95     |
| 26) 2,2-Dichloropropane      | 6.978 | 77  | 28656  | 10.423 | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene   | 6.984 | 96  | 18185  | 10.177 | ug/l   | 98     |
| 28) Bromochloromethane       | 7.338 | 49  | 9611   | 10.567 | ug/l   | 99     |
| 29) Tetrahydrofuran          | 7.350 | 42  | 12949  | 49.736 | ug/l   | 98     |
| 30) Chloroform               | 7.508 | 83  | 31658  | 10.494 | ug/l   | 100    |
| 31) Cyclohexane              | 7.789 | 56  | 22753  | 10.912 | ug/l # | 92     |
| 32) 1,1,1-Trichloroethane    | 7.703 | 97  | 29973  | 10.238 | ug/l   | 99     |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 21897  | 10.457 | ug/l   | 99     |
| 37) Ethyl Acetate            | 7.076 | 43  | 9744   | 10.313 | ug/l   | 99     |
| 38) Carbon Tetrachloride     | 7.905 | 117 | 29059  | 10.338 | ug/l   | 95     |
| 39) Methylcyclohexane        | 9.185 | 83  | 25257  | 10.024 | ug/l   | 96     |
| 40) Benzene                  | 8.161 | 78  | 64248  | 10.388 | ug/l   | 98     |

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VSTDIC010

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 Quant Title : SW846 8260  
 QLast Update : Tue Feb 07 21:44:35 2023  
 Response via : Initial Calibration

02/08/2023  
 Supervised By :Mahesh  
 Dadoda

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.313  | 41   | 4626m    | 8.939   | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 20539    | 10.246  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.277  | 43   | 16646    | 9.502   | ug/l   | 99       |
| 44) Trichloroethene           | 8.941  | 130  | 19366    | 10.287  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 13764    | 10.264  | ug/l   | 97       |
| 46) Dibromomethane            | 9.307  | 93   | 9107     | 10.256  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.496  | 83   | 23633    | 10.265  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.295  | 41   | 7666     | 9.574   | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 2481     | 202.402 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 45918    | 48.583  | ug/l   | 100      |
| 52) Toluene                   | 10.246 | 92   | 43829    | 10.451  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 23470    | 10.116  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 25603    | 10.198  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 13254    | 10.215  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 15748    | 9.661   | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 21597    | 10.314  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 37870    | 51.686  | ug/l   | 97       |
| 59) 2-Hexanone                | 10.831 | 43   | 34106    | 47.750  | ug/l   | 100      |
| 60) Dibromochloromethane      | 10.983 | 129  | 17506    | 10.122  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 12439    | 10.232  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.721 | 164  | 21000    | 10.241  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.514 | 112  | 46916    | 10.071  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 18654    | 10.219  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 82269    | 10.059  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.703 | 106  | 65777    | 20.150  | ug/l   | 98       |
| 69) o-Xylene                  | 12.032 | 106  | 31307    | 10.070  | ug/l   | 99       |
| 70) Styrene                   | 12.044 | 104  | 53413    | 10.131  | ug/l   | 98       |
| 71) Bromoform                 | 12.209 | 173  | 11695    | 10.135  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.331 | 105  | 84467    | 10.046  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.142 | 43   | 14279    | 9.381   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 13906    | 10.228  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 11980m   | 10.292  | ug/l   |          |
| 77) Bromobenzene              | 12.611 | 156  | 20687    | 10.151  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.672 | 91   | 97529    | 10.077  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.757 | 91   | 55086    | 10.027  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 73741    | 10.188  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.373 | 75   | 5088     | 9.882   | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 58315    | 10.119  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.074 | 119  | 62906    | 9.911   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 71612    | 10.055  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 90775    | 9.997   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 78056    | 9.909   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 41856    | 10.322  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 41254    | 10.157  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.696 | 91   | 66538    | 9.883   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.958 | 117  | 14769    | 10.214  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 37539    | 10.291  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 2598     | 9.602   | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 22184    | 9.815   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 14130    | 10.063  | ug/l   | 97       |
| 95) Naphthalene               | 15.239 | 128  | 39520    | 9.108   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 18892    | 9.656   | ug/l   | 99       |

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ALS Vial : 4 Sample Multiplier: 1

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Quant Title : SW846 8260  
QLast Update : Tue Feb 07 21:44:35 2023  
Response via : Initial Calibration

Instrument :  
MSVOA\_Y  
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VSTDICC010

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

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