

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121224\  
 Data File : VY020590.D  
 Acq On : 12 Dec 2024 10:09  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Romaben Patel 12/13/2024  
 Supervised By :Mahesh Dadoda 12/13/2024

Quant Time: Dec 13 05:37:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 03 01:39:23 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.713          | 168  | 191353              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 297529              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.420         | 117  | 250549              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.353         | 152  | 125539              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.067          | 65   | 99612               | 51.186  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 102.380% |         |        |          |
| 35) Dibromofluoromethane     | 7.640          | 113  | 98338               | 52.501  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 105.000% |         |        |          |
| 50) Toluene-d8               | 10.109         | 98   | 361428              | 50.674  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 101.340% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.408         | 95   | 129944              | 52.092  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 29 - 146 |      | Recovery = 104.180% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 84449               | 45.244  | ug/l   | 98       |
| 3) Chloromethane             | 2.074          | 50   | 93137               | 49.282  | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.208          | 62   | 97083               | 50.384  | ug/l   | 96       |
| 5) Bromomethane              | 2.604          | 94   | 53772               | 47.562  | ug/l   | 100      |
| 6) Chloroethane              | 2.739          | 64   | 59239               | 50.160  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.068          | 101  | 163791              | 45.386  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.464          | 74   | 51092               | 49.967  | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 3.824          | 101  | 99739               | 47.432  | ug/l   | 98       |
| 10) Methyl Iodide            | 4.013          | 142  | 111330              | 47.162  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 4.860          | 59   | 34401               | 272.502 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 3.793          | 96   | 94277               | 47.462  | ug/l   | 93       |
| 13) Acrolein                 | 3.659          | 56   | 22464               | 190.058 | ug/l   | 98       |
| 14) Allyl chloride           | 4.391          | 41   | 171967              | 48.540  | ug/l   | 94       |
| 15) Acrylonitrile            | 5.061          | 53   | 115031              | 269.999 | ug/l   | 98       |
| 16) Acetone                  | 3.873          | 43   | 148565              | 307.021 | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.116          | 76   | 266740              | 46.918  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.391          | 43   | 58450               | 56.832  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.128          | 73   | 255458              | 50.358  | ug/l   | 97       |
| 20) Methylene Chloride       | 4.628          | 84   | 99649               | 48.410  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.122          | 96   | 101974              | 46.220  | ug/l   | 94       |
| 22) Diisopropyl ether        | 6.025          | 45   | 357091              | 50.688  | ug/l   | 99       |
| 23) Vinyl Acetate            | 5.964          | 43   | 994613              | 266.919 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 5.921          | 63   | 203147              | 47.897  | ug/l   | 99       |
| 25) 2-Butanone               | 6.896          | 43   | 176887              | 289.490 | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 6.896          | 77   | 181179              | 45.164  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 6.896          | 96   | 122930              | 47.717  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.250          | 49   | 86454               | 54.585  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.268          | 42   | 97896               | 280.838 | ug/l   | 99       |
| 30) Chloroform               | 7.427          | 83   | 204127              | 46.894  | ug/l   | 97       |
| 31) Cyclohexane              | 7.707          | 56   | 174251              | 45.445  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 7.622          | 97   | 187551              | 44.746  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 7.841          | 75   | 147185              | 46.532  | ug/l   | 99       |
| 37) Ethyl Acetate            | 6.988          | 43   | 68482               | 54.648  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.823          | 117  | 171210              | 45.352  | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.109          | 83   | 185225              | 47.190  | ug/l   | 98       |
| 40) Benzene                  | 8.085          | 78   | 441204              | 47.309  | ug/l   | 99       |

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 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
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Reviewed By :Romaben Patel 12/13/2024  
 Supervised By :Mahesh Dadoda 12/13/2024

Quant Time: Dec 13 05:37:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 03 01:39:23 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.232  | 41   | 42070    | 59.055   | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 118027   | 48.164   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 135766   | 53.653   | ug/l   | 98       |
| 44) Trichloroethene           | 8.866  | 130  | 108534   | 47.208   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.146  | 63   | 106166   | 48.647   | ug/l   | 100      |
| 46) Dibromomethane            | 9.237  | 93   | 55178    | 51.065   | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.426  | 83   | 153699   | 48.279   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.225  | 41   | 63586    | 53.887   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 11902    | 1152.352 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 354412   | 283.606  | ug/l   | 99       |
| 52) Toluene                   | 10.176 | 92   | 275951   | 47.425   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 143052   | 50.051   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 168734   | 49.954   | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 74313    | 51.556   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.445 | 69   | 109852   | 53.862   | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 131343   | 50.886   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 281073   | 294.345  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.762 | 43   | 266997   | 296.163  | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.914 | 129  | 100483   | 50.072   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 67908    | 51.518   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.652 | 164  | 96856    | 45.750   | ug/l   | 93       |
| 65) Chlorobenzene             | 11.444 | 112  | 294458   | 46.887   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 104381   | 46.866   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.524 | 91   | 541089   | 45.966   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.633 | 106  | 400166   | 92.837   | ug/l   | 100      |
| 69) o-Xylene                  | 11.956 | 106  | 189830   | 47.009   | ug/l   | 99       |
| 70) Styrene                   | 11.975 | 104  | 320359   | 47.551   | ug/l   | 100      |
| 71) Bromoform                 | 12.133 | 173  | 57719    | 50.972   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.261 | 105  | 520971   | 42.890   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.072 | 43   | 122815   | 51.588   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83   | 84764    | 48.526   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.560 | 75   | 62916m   | 49.197   | ug/l   |          |
| 77) Bromobenzene              | 12.536 | 156  | 112133   | 44.578   | ug/l   | 97       |
| 78) n-propylbenzene           | 12.597 | 91   | 625349   | 43.484   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 354377   | 43.670   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.743 | 105  | 423423   | 43.500   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75   | 30193    | 48.443   | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.779 | 91   | 359839   | 43.453   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.005 | 119  | 391198   | 44.452   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.048 | 105  | 414710   | 43.834   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.182 | 105  | 557431   | 44.198   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.298 | 119  | 466863   | 44.795   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.292 | 146  | 220837   | 45.523   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.371 | 146  | 217989   | 45.901   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.621 | 91   | 446199   | 46.160   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.883 | 117  | 91722    | 45.158   | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.663 | 146  | 193506   | 47.037   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75   | 13550    | 51.240   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 14.925 | 180  | 119482   | 51.650   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.029 | 225  | 79992    | 49.428   | ug/l   | 99       |
| 95) Naphthalene               | 15.151 | 128  | 207482   | 55.426   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.334 | 180  | 101201   | 54.217   | ug/l   | 99       |

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ALS Vial : 2 Sample Multiplier: 1

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Manual Integrations  
APPROVED

Reviewed By :Romaben Patel 12/13/2024  
Supervised By :Mahesh Dadoda 12/13/2024

Quant Time: Dec 13 05:37:53 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120224S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 03 01:39:23 2024  
Response via : Initial Calibration

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

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

