

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111924\  
 Data File : VY020340.D  
 Acq On : 19 Nov 2024 16:35  
 Operator : SY/MD  
 Sample : VSTDICC020  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC020

Manual Integrations  
 APPROVED

Reviewed By :Romaben Patel 11/20/2024  
 Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:00:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111924S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 20 00:48:27 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 236844   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 387251   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 330555   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 152521   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 51590    | 18.960   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 37.920%# |
| 35) Dibromofluoromethane    | 7.634  | 113   | 47609    | 19.173   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 38.340%# |
| 50) Toluene-d8              | 10.103 | 98    | 187150   | 19.133   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 38.260%# |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 59520    | 18.928   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 37.860%  |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 44219  | 19.234  | ug/l   | 98  |
| 3) Chloromethane             | 2.068 | 50  | 72456  | 21.422  | ug/l   | 98  |
| 4) Vinyl Chloride            | 2.208 | 62  | 62913  | 19.948  | ug/l   | 94  |
| 5) Bromomethane              | 2.598 | 94  | 27790  | 17.643  | ug/l   | 98  |
| 6) Chloroethane              | 2.739 | 64  | 34289  | 18.637  | ug/l   | 95  |
| 7) Trichlorofluoromethane    | 3.062 | 101 | 84918  | 19.375  | ug/l   | 98  |
| 8) Diethyl Ether             | 3.458 | 74  | 27857  | 20.145  | ug/l   | 99  |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 50736  | 19.438  | ug/l   | 100 |
| 10) Methyl Iodide            | 4.007 | 142 | 68857  | 19.695  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 4.879 | 59  | 21940  | 103.899 | ug/l   | 96  |
| 12) 1,1-Dichloroethene       | 3.793 | 96  | 50747  | 19.641  | ug/l   | 96  |
| 13) Acrolein                 | 3.665 | 56  | 16692  | 99.067  | ug/l   | 93  |
| 14) Allyl chloride           | 4.385 | 41  | 102220 | 20.460  | ug/l   | 92  |
| 15) Acrylonitrile            | 5.061 | 53  | 66014  | 107.992 | ug/l   | 99  |
| 16) Acetone                  | 3.873 | 43  | 62372  | 95.616  | ug/l   | 95  |
| 17) Carbon Disulfide         | 4.110 | 76  | 165744 | 19.041  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.385 | 43  | 32091  | 21.105  | ug/l   | 96  |
| 19) Methyl tert-butyl Ether  | 5.116 | 73  | 140395 | 20.918  | ug/l   | 100 |
| 20) Methylene Chloride       | 4.616 | 84  | 56330  | 20.392  | ug/l   | 94  |
| 21) trans-1,2-Dichloroethene | 5.122 | 96  | 59438  | 20.713  | ug/l   | 91  |
| 22) Diisopropyl ether        | 6.019 | 45  | 178817 | 18.162  | ug/l   | 95  |
| 23) Vinyl Acetate            | 5.964 | 43  | 505150 | 91.808  | ug/l   | 100 |
| 24) 1,1-Dichloroethane       | 5.915 | 63  | 102627 | 18.464  | ug/l   | 98  |
| 25) 2-Butanone               | 6.903 | 43  | 79554  | 94.731  | ug/l   | 99  |
| 26) 2,2-Dichloropropane      | 6.890 | 77  | 85051  | 18.513  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 6.896 | 96  | 60883  | 19.263  | ug/l   | 98  |
| 28) Bromochloromethane       | 7.244 | 49  | 41798  | 17.867  | ug/l   | 99  |
| 29) Tetrahydrofuran          | 7.262 | 42  | 47318  | 94.274  | ug/l   | 99  |
| 30) Chloroform               | 7.421 | 83  | 101251 | 18.864  | ug/l   | 98  |
| 31) Cyclohexane              | 7.707 | 56  | 95143  | 18.757  | ug/l # | 91  |
| 32) 1,1,1-Trichloroethane    | 7.616 | 97  | 89105  | 18.907  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.835 | 75  | 75098  | 19.801  | ug/l   | 99  |
| 37) Ethyl Acetate            | 6.988 | 43  | 34643  | 19.590  | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 7.823 | 117 | 77388  | 19.543  | ug/l   | 96  |
| 39) Methylcyclohexane        | 9.109 | 83  | 94807  | 19.974  | ug/l   | 98  |
| 40) Benzene                  | 8.085 | 78  | 223070 | 20.070  | ug/l   | 99  |

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 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC020

Quant Time: Nov 20 01:00:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111924S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 20 00:48:27 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Romaben Patel 11/20/2024  
 Supervised By :Mahesh Dadoda 11/20/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.220  | 41   | 18360    | 18.572  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 61623    | 20.540  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.195  | 43   | 68510    | 20.277  | ug/l # | 86       |
| 44) Trichloroethene           | 8.866  | 130  | 53189    | 20.198  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 53935    | 20.339  | ug/l   | 98       |
| 46) Dibromomethane            | 9.231  | 93   | 27481    | 20.219  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.420  | 83   | 74220    | 19.781  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.219  | 41   | 31955    | 19.782  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 5466     | 390.895 | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 169490   | 98.848  | ug/l   | 99       |
| 52) Toluene                   | 10.170 | 92   | 137874   | 20.295  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 69154    | 19.491  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 81594    | 20.089  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 40747    | 22.585  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.439 | 69   | 52436    | 19.353  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.713 | 76   | 68770    | 21.210  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.707  | 63   | 123646   | 96.241  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.762 | 43   | 123944   | 102.083 | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.908 | 129  | 47578    | 20.459  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.012 | 107  | 34244    | 20.483  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 53034    | 22.257  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.438 | 112  | 143190   | 19.428  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 47541    | 19.309  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.518 | 91   | 264743   | 19.471  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.627 | 106  | 196288   | 40.078  | ug/l   | 100      |
| 69) o-Xylene                  | 11.950 | 106  | 94022    | 20.240  | ug/l   | 97       |
| 70) Styrene                   | 11.969 | 104  | 154055   | 19.960  | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 25826    | 20.127  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.255 | 105  | 248304   | 19.218  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 61053    | 19.554  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 41646    | 19.944  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 29239m   | 20.276  | ug/l   |          |
| 77) Bromobenzene              | 12.530 | 156  | 52340    | 19.335  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.597 | 91   | 303366   | 19.564  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 195281   | 21.904  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 231329   | 22.154  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 14013    | 19.100  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 199278   | 21.658  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 183294   | 19.892  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 210671   | 20.350  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 301882   | 20.781  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 231391   | 20.601  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.286 | 146  | 112176   | 20.495  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 104265   | 19.938  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.615 | 91   | 212277   | 19.735  | ug/l   | 100      |
| 90) Hexachloroethane          | 13.883 | 117  | 43848    | 20.226  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 91859    | 20.143  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75   | 6596     | 19.250  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 52226    | 18.941  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 32319    | 19.202  | ug/l   | 99       |
| 95) Naphthalene               | 15.145 | 128  | 88652    | 18.669  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 43998    | 18.662  | ug/l   | 97       |

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Sample : VSTDICC020  
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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
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Manual Integrations  
APPROVED

Reviewed By :Romaben Patel 11/20/2024  
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:00:05 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111924S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 20 00:48:27 2024  
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

