

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101722\  
 Data File : VD074539.D  
 Acq On : 17 Oct 2022 12:08  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Krupa  
 Patel

10/18/2022  
 Supervised By :Mahesh  
 Dadoda

Quant Time: Oct 17 23:07:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101122S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 12 13:14:00 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 102284   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 171620   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 149853   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 70217    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 43751    | 49.694   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.380%  |
| 35) Dibromofluoromethane    | 7.805  | 113   | 52857    | 51.196   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 102.400% |
| 50) Toluene-d8              | 10.269 | 98    | 206581   | 52.492   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 104.980% |
| 62) 4-Bromofluorobenzene    | 12.569 | 95    | 59645    | 49.356   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 98.720%  |

|                              |       |     |        |         |        |        |
|------------------------------|-------|-----|--------|---------|--------|--------|
| Target Compounds             |       |     |        |         |        | Qvalue |
| 2) Dichlorodifluoromethane   | 1.928 | 85  | 43477  | 43.965  | ug/l   | 99     |
| 3) Chloromethane             | 2.146 | 50  | 56831  | 46.175  | ug/l   | 93     |
| 4) Vinyl Chloride            | 2.281 | 62  | 63672  | 50.011  | ug/l   | 99     |
| 5) Bromomethane              | 2.687 | 94  | 44123  | 48.849  | ug/l   | 97     |
| 6) Chloroethane              | 2.834 | 64  | 42988  | 50.606  | ug/l   | 99     |
| 7) Trichlorofluoromethane    | 3.170 | 101 | 89887  | 46.134  | ug/l   | 96     |
| 8) Diethyl Ether             | 3.593 | 74  | 28312  | 48.407  | ug/l   | 100    |
| 9) 1,1,2-Trichlorotrifluo... | 3.964 | 101 | 59410  | 45.366  | ug/l   | 98     |
| 10) Methyl Iodide            | 4.164 | 142 | 72425  | 41.885  | ug/l   | 98     |
| 11) Tert butyl alcohol       | 5.040 | 59  | 17593  | 122.324 | ug/l # | 97     |
| 12) 1,1-Dichloroethene       | 3.940 | 96  | 59126  | 44.326  | ug/l   | 92     |
| 13) Acrolein                 | 3.799 | 56  | 11431  | 254.072 | ug/l   | 96     |
| 14) Allyl chloride           | 4.564 | 41  | 68233  | 46.989  | ug/l   | 100    |
| 15) Acrylonitrile            | 5.252 | 53  | 57170  | 245.552 | ug/l   | 98     |
| 16) Acetone                  | 4.022 | 43  | 53682  | 282.666 | ug/l   | 97     |
| 17) Carbon Disulfide         | 4.264 | 76  | 165082 | 41.858  | ug/l   | 98     |
| 18) Methyl Acetate           | 4.564 | 43  | 25476  | 42.157  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether  | 5.311 | 73  | 123201 | 48.536  | ug/l   | 95     |
| 20) Methylene Chloride       | 4.793 | 84  | 67203  | 41.442  | ug/l   | 95     |
| 21) trans-1,2-Dichloroethene | 5.305 | 96  | 66231  | 46.098  | ug/l   | 91     |
| 22) Diisopropyl ether        | 6.216 | 45  | 140906 | 48.532  | ug/l   | 99     |
| 23) Vinyl Acetate            | 6.152 | 43  | 350225 | 277.854 | ug/l   | 100    |
| 24) 1,1-Dichloroethane       | 6.111 | 63  | 100578 | 44.752  | ug/l   | 98     |
| 25) 2-Butanone               | 7.081 | 43  | 66397  | 253.270 | ug/l   | 98     |
| 26) 2,2-Dichloropropane      | 7.075 | 77  | 94087  | 47.559  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene   | 7.075 | 96  | 76006  | 49.668  | ug/l   | 98     |
| 28) Bromochloromethane       | 7.422 | 49  | 29317  | 49.404  | ug/l   | 96     |
| 29) Tetrahydrofuran          | 7.440 | 42  | 36991  | 255.863 | ug/l   | 97     |
| 30) Chloroform               | 7.593 | 83  | 108991 | 50.052  | ug/l   | 100    |
| 31) Cyclohexane              | 7.875 | 56  | 84056  | 44.872  | ug/l   | 100    |
| 32) 1,1,1-Trichloroethane    | 7.793 | 97  | 98436  | 49.922  | ug/l   | 98     |
| 36) 1,1-Dichloropropene      | 8.005 | 75  | 81388  | 49.414  | ug/l   | 99     |
| 37) Ethyl Acetate            | 7.163 | 43  | 27316  | 50.530  | ug/l   | 96     |
| 38) Carbon Tetrachloride     | 7.993 | 117 | 82763  | 54.346  | ug/l   | 95     |
| 39) Methylcyclohexane        | 9.275 | 83  | 103039 | 49.981  | ug/l   | 98     |
| 40) Benzene                  | 8.246 | 78  | 248160 | 50.623  | ug/l   | 96     |

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 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Oct 17 23:07:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101122S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 12 13:14:00 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa  
 Patel

10/18/2022  
 Supervised By :Mahesh  
 Dadoda

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.393  | 41   | 16371m   | 52.780   | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 57627    | 49.749   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.357  | 43   | 51176    | 51.523   | ug/l   | 98       |
| 44) Trichloroethene           | 9.022  | 130  | 72172    | 51.463   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 55817    | 49.978   | ug/l   | 97       |
| 46) Dibromomethane            | 9.393  | 93   | 32698    | 52.106   | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.581  | 83   | 80385    | 51.821   | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.375  | 41   | 24507    | 50.986   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 6941     | 1064.695 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 133398   | 271.477  | ug/l   | 97       |
| 52) Toluene                   | 10.334 | 92   | 159921   | 51.617   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 73180    | 54.109   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 91407    | 53.511   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 43852    | 52.129   | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 51474    | 53.082   | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.875 | 76   | 72176    | 51.302   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 68484    | 310.385  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.916 | 43   | 92359    | 280.783  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.069 | 129  | 53353    | 52.730   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 39777    | 50.819   | ug/l   | 95       |
| 64) Tetrachloroethene         | 10.810 | 164  | 57529    | 51.269   | ug/l   | 95       |
| 65) Chlorobenzene             | 11.604 | 112  | 170156   | 52.899   | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 57986    | 53.127   | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.681 | 91   | 296870   | 52.067   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.793 | 106  | 237311   | 104.381  | ug/l   | 97       |
| 69) o-Xylene                  | 12.116 | 106  | 110552   | 52.261   | ug/l   | 97       |
| 70) Styrene                   | 12.134 | 104  | 188187   | 52.645   | ug/l   | 99       |
| 71) Bromoform                 | 12.298 | 173  | 30433    | 54.737   | ug/l # | 95       |
| 73) Isopropylbenzene          | 12.416 | 105  | 294044   | 52.055   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.228 | 43   | 44816    | 50.658   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 45556    | 50.985   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 26667m   | 44.439   | ug/l   |          |
| 77) Bromobenzene              | 12.698 | 156  | 66526    | 52.057   | ug/l   | 99       |
| 78) n-propylbenzene           | 12.757 | 91   | 346967   | 50.772   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.845 | 91   | 184073   | 50.184   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.898 | 105  | 235731   | 51.347   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 13054    | 55.180   | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 189093   | 51.362   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.163 | 119  | 206627   | 51.400   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 233341   | 51.308   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.340 | 105  | 312543   | 51.024   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 265177   | 52.138   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 133923   | 51.150   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.534 | 146  | 133843   | 51.512   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.781 | 91   | 241508   | 50.833   | ug/l   | 98       |
| 90) Hexachloroethane          | 14.051 | 117  | 45872    | 51.084   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 116760   | 52.278   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.440 | 75   | 6620     | 54.194   | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.092 | 180  | 77629    | 52.711   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.198 | 225  | 41408    | 54.078   | ug/l   | 99       |
| 95) Naphthalene               | 15.328 | 128  | 151481   | 54.465   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 68331    | 54.353   | ug/l   | 100      |

10/19/2022

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ALS Vial : 2 Sample Multiplier: 1

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Quant Title : SW846 8260  
QLast Update : Wed Oct 12 13:14:00 2022  
Response via : Initial Calibration

Instrument :  
MSVOA\_D  
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Manual Integrations  
APPROVED

Reviewed By :Krupa  
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10/19/2022

| Compound                                                                   | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

