

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD102822\  
 Data File : VD074682.D  
 Acq On : 28 Oct 2022 20:05  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Oct 29 02:16:35 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D102722S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 28 00:18:17 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 10/31/2022  
 Supervised By :Mahesh Dadoda 10/31/2022

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.875  | 168   | 134444   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775  | 114   | 222524   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.581 | 117   | 178304   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516 | 152   | 84491    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.234  | 65    | 56896    | 50.140   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 100.280% |          |
| 35) Dibromofluoromethane     | 7.805  | 113   | 69019    | 50.795   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 101.580% |          |
| 50) Toluene-d8               | 10.269 | 98    | 250833   | 48.002   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | = 96.000%  |          |
| 62) 4-Bromofluorobenzene     | 12.569 | 95    | 72532    | 50.541   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | = 101.080% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.928  | 85    | 51315    | 44.261   | ug/l       | 94       |
| 3) Chloromethane             | 2.146  | 50    | 75372    | 47.007   | ug/l       | 92       |
| 4) Vinyl Chloride            | 2.281  | 62    | 88519    | 46.085   | ug/l       | 100      |
| 5) Bromomethane              | 2.687  | 94    | 68846    | 47.666   | ug/l       | 96       |
| 6) Chloroethane              | 2.834  | 64    | 61217    | 46.813   | ug/l       | 98       |
| 7) Trichlorofluoromethane    | 3.175  | 101   | 108205   | 48.509   | ug/l       | 97       |
| 8) Diethyl Ether             | 3.587  | 74    | 30826    | 46.763   | ug/l       | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 3.964  | 101   | 68585    | 49.617   | ug/l       | 99       |
| 10) Methyl Iodide            | 4.164  | 142   | 81456    | 44.417   | ug/l       | 99       |
| 11) Tert butyl alcohol       | 5.058  | 59    | 21037    | 216.819  | ug/l #     | 96       |
| 12) 1,1-Dichloroethene       | 3.940  | 96    | 70959    | 48.461   | ug/l       | 92       |
| 13) Acrolein                 | 3.799  | 56    | 22137    | 226.488  | ug/l       | 100      |
| 14) Allyl chloride           | 4.564  | 41    | 75660    | 49.742   | ug/l       | 98       |
| 15) Acrylonitrile            | 5.258  | 53    | 60439    | 244.121  | ug/l       | 100      |
| 16) Acetone                  | 4.017  | 43    | 42323    | 213.209  | ug/l       | 97       |
| 17) Carbon Disulfide         | 4.270  | 76    | 203067   | 45.681   | ug/l       | 100      |
| 18) Methyl Acetate           | 4.558  | 43    | 27798    | 47.510   | ug/l       | 96       |
| 19) Methyl tert-butyl Ether  | 5.317  | 73    | 136198   | 48.478   | ug/l       | 100      |
| 20) Methylene Chloride       | 4.805  | 84    | 88721    | 48.194   | ug/l       | 97       |
| 21) trans-1,2-Dichloroethene | 5.305  | 96    | 77050    | 47.354   | ug/l       | 90       |
| 22) Diisopropyl ether        | 6.216  | 45    | 162021   | 50.606   | ug/l       | 100      |
| 23) Vinyl Acetate            | 6.152  | 43    | 320319   | 257.388  | ug/l       | 98       |
| 24) 1,1-Dichloroethane       | 6.111  | 63    | 117575   | 48.778   | ug/l       | 98       |
| 25) 2-Butanone               | 7.075  | 43    | 64206    | 235.536  | ug/l       | 92       |
| 26) 2,2-Dichloropropane      | 7.069  | 77    | 102950   | 48.866   | ug/l       | 97       |
| 27) cis-1,2-Dichloroethene   | 7.081  | 96    | 86571    | 48.925   | ug/l       | 97       |
| 28) Bromochloromethane       | 7.428  | 49    | 41249    | 49.873   | ug/l       | 97       |
| 29) Tetrahydrofuran          | 7.446  | 42    | 40876    | 244.625  | ug/l       | 98       |
| 30) Chloroform               | 7.593  | 83    | 126249   | 48.685   | ug/l       | 99       |
| 31) Cyclohexane              | 7.875  | 56    | 99552    | 47.867   | ug/l       | 99       |
| 32) 1,1,1-Trichloroethane    | 7.793  | 97    | 112522   | 49.418   | ug/l       | 99       |
| 36) 1,1-Dichloropropene      | 8.011  | 75    | 95602    | 49.381   | ug/l       | 98       |
| 37) Ethyl Acetate            | 7.169  | 43    | 30513    | 49.316   | ug/l       | 98       |
| 38) Carbon Tetrachloride     | 7.987  | 117   | 92986    | 51.687   | ug/l       | 99       |
| 39) Methylcyclohexane        | 9.275  | 83    | 121506   | 51.312   | ug/l       | 97       |
| 40) Benzene                  | 8.252  | 78    | 288203   | 48.808   | ug/l       | 97       |

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 Sample : VSTDCCC050  
 Misc : 5.07G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 10/31/2022  
 Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 29 02:16:35 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D102722S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 28 00:18:17 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 15287    | 47.902  | ug/l # | 89       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 64792    | 46.599  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.358  | 43   | 57010    | 47.858  | ug/l   | 97       |
| 44) Trichloroethene           | 9.028  | 130  | 83737    | 48.351  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 65152    | 49.479  | ug/l   | 92       |
| 46) Dibromomethane            | 9.393  | 93   | 37377    | 48.616  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.581  | 83   | 92981    | 50.198  | ug/l   | 93       |
| 48) Methyl methacrylate       | 9.375  | 41   | 26819    | 50.772  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 7790     | 950.823 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 134783   | 234.179 | ug/l   | 100      |
| 52) Toluene                   | 10.334 | 92   | 171166   | 46.299  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 75172    | 47.345  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 93974    | 46.441  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 48055    | 45.831  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 55624    | 48.215  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 75794    | 45.906  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 69586    | 236.459 | ug/l   | 97       |
| 59) 2-Hexanone                | 10.922 | 43   | 89605    | 229.908 | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.075 | 129  | 57567    | 46.139  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 45080    | 46.028  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.810 | 164  | 61438    | 48.696  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.604 | 112  | 182675   | 50.550  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 63122    | 51.779  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.681 | 91   | 327082   | 52.389  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.793 | 106  | 259240   | 105.180 | ug/l   | 97       |
| 69) o-Xylene                  | 12.116 | 106  | 121888   | 53.693  | ug/l   | 95       |
| 70) Styrene                   | 12.134 | 104  | 208650   | 54.591  | ug/l   | 99       |
| 71) Bromoform                 | 12.299 | 173  | 33004    | 53.621  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.422 | 105  | 318262   | 52.825  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.234 | 43   | 49112    | 51.745  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 50324    | 50.219  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 30899m   | 46.760  | ug/l   |          |
| 77) Bromobenzene              | 12.698 | 156  | 72442    | 50.321  | ug/l   | 100      |
| 78) n-propylbenzene           | 12.763 | 91   | 381294   | 52.741  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.846 | 91   | 203186   | 51.481  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 261152   | 52.181  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 12510    | 50.103  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.946 | 91   | 209504   | 51.415  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.163 | 119  | 234081   | 52.707  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 258637   | 52.375  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.346 | 105  | 344502   | 52.853  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 288993   | 51.864  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 147030   | 49.360  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.534 | 146  | 141856   | 48.320  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.787 | 91   | 266009   | 52.708  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.051 | 117  | 49111    | 51.668  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 126561   | 50.103  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.440 | 75   | 7275     | 54.574  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 15.092 | 180  | 79398    | 48.974  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.198 | 225  | 41856    | 50.596  | ug/l   | 97       |
| 95) Naphthalene               | 15.328 | 128  | 146692   | 49.273  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 69059    | 49.482  | ug/l   | 100      |

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Sample : VSTDCCC050  
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ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 10/31/2022  
Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 29 02:16:35 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D102722S.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 28 00:18:17 2022  
Response via : Initial Calibration

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

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

