

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031023\  
 Data File : VD075492.D  
 Acq On : 10 Mar 2023 13:59  
 Operator : KP/SY  
 Sample : VSTDICC150  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 03/13/2023  
 Supervised By :Mahesh Dadoda 03/13/2023

Quant Time: Mar 10 23:06:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031023S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 10 16:02:39 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 7.875          | 168  | 136999               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.781          | 114  | 218008               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.587         | 117  | 200331               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.522         | 152  | 97614                | 50.000  | ug/l   | 0.00     |
|                              |                |      |                      |         |        |          |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.234          | 65   | 176091               | 141.654 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 283.300%# |         |        |          |
| 35) Dibromofluoromethane     | 7.804          | 113  | 227915               | 152.642 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 305.280%# |         |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 940133               | 159.384 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 318.760%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 264227               | 154.957 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 309.920%# |         |        |          |
|                              |                |      |                      |         |        |          |
| Target Compounds             |                |      |                      |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 183275               | 134.152 | ug/l   | 97       |
| 3) Chloromethane             | 2.152          | 50   | 268264               | 150.896 | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.287          | 62   | 420247               | 127.820 | ug/l   | 97       |
| 5) Bromomethane              | 2.675          | 94   | 339863               | 131.947 | ug/l   | 99       |
| 6) Chloroethane              | 2.834          | 64   | 284305               | 129.099 | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.175          | 101  | 359418               | 135.634 | ug/l   | 100      |
| 8) Diethyl Ether             | 3.593          | 74   | 104643               | 147.930 | ug/l   | 63       |
| 9) 1,1,2-Trichlorotrifluo... | 3.969          | 101  | 236996               | 137.454 | ug/l   | 96       |
| 10) Methyl Iodide            | 4.163          | 142  | 322464               | 156.765 | ug/l   | 91       |
| 11) Tert butyl alcohol       | 5.063          | 59   | 41370                | 720.697 | ug/l # | 100      |
| 12) 1,1-Dichloroethene       | 3.946          | 96   | 244271               | 143.455 | ug/l   | 84       |
| 13) Acrolein                 | 3.799          | 56   | 80073                | 701.035 | ug/l   | 99       |
| 14) Allyl chloride           | 4.563          | 41   | 201683               | 137.662 | ug/l # | 80       |
| 15) Acrylonitrile            | 5.257          | 53   | 180962               | 697.643 | ug/l   | 97       |
| 16) Acetone                  | 4.022          | 43   | 148893               | 738.869 | ug/l # | 77       |
| 17) Carbon Disulfide         | 4.269          | 76   | 691376               | 134.574 | ug/l   | 98       |
| 18) Methyl Acetate           | 4.563          | 43   | 93601                | 142.227 | ug/l # | 67       |
| 19) Methyl tert-butyl Ether  | 5.316          | 73   | 436144               | 147.702 | ug/l   | 95       |
| 20) Methylene Chloride       | 4.805          | 84   | 245822               | 150.460 | ug/l # | 73       |
| 21) trans-1,2-Dichloroethene | 5.316          | 96   | 269378               | 139.162 | ug/l # | 74       |
| 22) Diisopropyl ether        | 6.216          | 45   | 446782               | 140.699 | ug/l # | 88       |
| 23) Vinyl Acetate            | 6.157          | 43   | 1153078              | 786.868 | ug/l # | 84       |
| 24) 1,1-Dichloroethane       | 6.116          | 63   | 368431               | 133.951 | ug/l   | 95       |
| 25) 2-Butanone               | 7.081          | 43   | 202501               | 698.604 | ug/l # | 64       |
| 26) 2,2-Dichloropropane      | 7.081          | 77   | 349719               | 138.240 | ug/l   | 90       |
| 27) cis-1,2-Dichloroethene   | 7.081          | 96   | 304310               | 146.706 | ug/l   | 78       |
| 28) Bromochloromethane       | 7.428          | 49   | 123115               | 138.842 | ug/l # | 35       |
| 29) Tetrahydrofuran          | 7.446          | 42   | 114331               | 724.709 | ug/l # | 52       |
| 30) Chloroform               | 7.599          | 83   | 412835               | 135.146 | ug/l   | 94       |
| 31) Cyclohexane              | 7.875          | 56   | 300529               | 135.727 | ug/l # | 75       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 371281               | 138.615 | ug/l   | 94       |
| 36) 1,1-Dichloropropene      | 8.010          | 75   | 326006               | 147.330 | ug/l   | 92       |
| 37) Ethyl Acetate            | 7.169          | 43   | 81817                | 141.911 | ug/l # | 78       |
| 38) Carbon Tetrachloride     | 7.993          | 117  | 320925               | 151.365 | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.275          | 83   | 437533               | 156.829 | ug/l # | 88       |
| 40) Benzene                  | 8.251          | 78   | 967351               | 145.875 | ug/l   | 100      |

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 VSTDICC150

Quant Time: Mar 10 23:06:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031023S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 10 16:02:39 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 03/13/2023  
 Supervised By :Mahesh Dadoda 03/13/2023

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 44360    | 142.658  | ug/l # | 63       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 204146   | 139.853  | ug/l   | 89       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 162203   | 152.042  | ug/l # | 77       |
| 44) Trichloroethene           | 9.028  | 130  | 290310   | 148.957  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 206547   | 144.888  | ug/l   | 94       |
| 46) Dibromomethane            | 9.398  | 93   | 129003   | 146.823  | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.587  | 83   | 311241   | 146.289  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.381  | 41   | 77141    | 153.919  | ug/l # | 58       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 25189    | 3160.312 | ug/l # | 72       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 424012   | 764.239  | ug/l # | 76       |
| 52) Toluene                   | 10.334 | 92   | 648799   | 150.981  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 293115   | 153.150  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 355405   | 151.205  | ug/l # | 76       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 180725   | 145.297  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 192920   | 162.902  | ug/l # | 65       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 278566   | 145.527  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 475142   | 819.783  | ug/l # | 84       |
| 59) 2-Hexanone                | 10.922 | 43   | 301622   | 768.744  | ug/l   | 69       |
| 60) Dibromochloromethane      | 11.075 | 129  | 222186   | 151.193  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 175112   | 149.488  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.810 | 164  | 238793   | 151.040  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.610 | 112  | 694168   | 146.106  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.687 | 131  | 243289   | 149.472  | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.687 | 91   | 1253825  | 153.235  | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.798 | 106  | 1026973  | 312.279  | ug/l   | 89       |
| 69) o-Xylene                  | 12.122 | 106  | 478728   | 156.746  | ug/l   | 90       |
| 70) Styrene                   | 12.139 | 104  | 795276   | 156.539  | ug/l   | 94       |
| 71) Bromoform                 | 12.304 | 173  | 127130   | 152.961  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.422 | 105  | 1194924  | 152.860  | ug/l   | 96       |
| 74) N-amyl acetate            | 12.234 | 43   | 150504   | 155.424  | ug/l # | 74       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 181787   | 137.119  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 131365m  | 162.930  | ug/l   |          |
| 77) Bromobenzene              | 12.704 | 156  | 283121   | 152.345  | ug/l   | 85       |
| 78) n-propylbenzene           | 12.769 | 91   | 1410119  | 148.458  | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 748816   | 145.488  | ug/l   | 91       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 967867   | 150.987  | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 12.475 | 75   | 57992    | 152.367  | ug/l # | 71       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 759638   | 143.029  | ug/l   | 91       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 849007   | 152.389  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 965205   | 155.798  | ug/l   | 94       |
| 85) sec-Butylbenzene          | 13.351 | 105  | 1296406  | 150.308  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 1102600  | 156.445  | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 578701   | 150.644  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 550131   | 144.766  | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.792 | 91   | 986647   | 152.646  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.057 | 117  | 196922   | 144.699  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 485900   | 149.470  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 23753    | 142.369  | ug/l   | 61       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 296828   | 156.573  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.210 | 225  | 139762   | 154.573  | ug/l   | 98       |
| 95) Naphthalene               | 15.333 | 128  | 573064   | 164.669  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.528 | 180  | 257980   | 157.706  | ug/l   | 97       |

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APPROVED

Reviewed By :Krupa Patel 03/13/2023  
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Quant Title : SW846 8260  
QLast Update : Fri Mar 10 16:02:39 2023  
Response via : Initial Calibration

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

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

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