

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010824\  
 Data File : VD078128.D  
 Acq On : 08 Jan 2024 13:17  
 Operator : RP/MD  
 Sample : VSTDICC010  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC010

Quant Time: Jan 09 00:59:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010824S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 09 00:46:13 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/09/2024  
 Supervised By :Semsettin Yesilyurt 01/09/2024

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.881          | 168  | 98580      | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.781          | 114  | 163021     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 147664     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516         | 152  | 69086      | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.240          | 65   | 11447      | 11.030   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 22.060%# |        |          |
| 35) Dibromofluoromethane     | 7.804          | 113  | 13195      | 11.231   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 22.460%# |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 40508      | 10.281   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 20.560%# |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 15381      | 11.214   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 22.420%# |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 10400      | 9.234    | ug/l   | 94       |
| 3) Chloromethane             | 2.152          | 50   | 14254      | 11.371   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.287          | 62   | 19779      | 11.221   | ug/l   | 96       |
| 5) Bromomethane              | 2.699          | 94   | 14019      | 10.359   | ug/l   | 98       |
| 6) Chloroethane              | 2.846          | 64   | 14762      | 11.278   | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.181          | 101  | 21138      | 10.913   | ug/l   | 95       |
| 8) Diethyl Ether             | 3.599          | 74   | 5312       | 10.458   | ug/l   | 92       |
| 9) 1,1,2-Trichlorotrifluo... | 3.981          | 101  | 12405      | 10.774   | ug/l   | 89       |
| 10) Methyl Iodide            | 4.169          | 142  | 9323       | 9.468    | ug/l # | 84       |
| 11) Tert butyl alcohol       | 5.069          | 59   | 3053m      | 57.744   | ug/l   |          |
| 12) 1,1-Dichloroethene       | 3.952          | 96   | 9450       | 9.693    | ug/l # | 78       |
| 13) Acrolein                 | 3.811          | 56   | 5127       | 46.951   | ug/l   | 97       |
| 14) Allyl chloride           | 4.575          | 41   | 14060      | 10.795   | ug/l # | 83       |
| 15) Acrylonitrile            | 5.257          | 53   | 12478      | 52.510   | ug/l # | 89       |
| 16) Acetone                  | 4.022          | 43   | 17055      | 50.259   | ug/l # | 84       |
| 17) Carbon Disulfide         | 4.281          | 76   | 22884      | 10.532   | ug/l # | 82       |
| 18) Methyl Acetate           | 4.563          | 43   | 8890       | 9.517    | ug/l # | 84       |
| 19) Methyl tert-butyl Ether  | 5.328          | 73   | 23365      | 9.947    | ug/l   | 95       |
| 20) Methylene Chloride       | 4.816          | 84   | 19785      | 10.423   | ug/l # | 89       |
| 21) trans-1,2-Dichloroethene | 5.316          | 96   | 11675      | 10.522   | ug/l   | 94       |
| 22) Diisopropyl ether        | 6.216          | 45   | 32054      | 10.466   | ug/l   | 91       |
| 23) Vinyl Acetate            | 6.163          | 43   | 73787m     | 52.326   | ug/l   |          |
| 24) 1,1-Dichloroethane       | 6.128          | 63   | 23485      | 10.991   | ug/l   | 96       |
| 25) 2-Butanone               | 7.081          | 43   | 17555      | 54.757   | ug/l # | 76       |
| 26) 2,2-Dichloropropane      | 7.069          | 77   | 19500      | 10.202   | ug/l # | 49       |
| 27) cis-1,2-Dichloroethene   | 7.081          | 96   | 13748      | 10.078   | ug/l   | 88       |
| 28) Bromochloromethane       | 7.422          | 49   | 7032       | 9.077    | ug/l # | 79       |
| 29) Tetrahydrofuran          | 7.446          | 42   | 8326       | 49.502   | ug/l # | 81       |
| 30) Chloroform               | 7.599          | 83   | 24343      | 10.511   | ug/l   | 95       |
| 31) Cyclohexane              | 7.881          | 56   | 17293      | 11.012   | ug/l   | 87       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 21158      | 10.561   | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 8.010          | 75   | 16196      | 10.209   | ug/l   | 95       |
| 37) Ethyl Acetate            | 7.169          | 43   | 6683       | 10.704   | ug/l # | 91       |
| 38) Carbon Tetrachloride     | 7.993          | 117  | 19205      | 10.512   | ug/l   | 86       |
| 39) Methylcyclohexane        | 9.275          | 83   | 17775      | 10.182   | ug/l   | 99       |
| 40) Benzene                  | 8.257          | 78   | 48707      | 10.286   | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010824\  
 Data File : VD078128.D  
 Acq On : 08 Jan 2024 13:17  
 Operator : RP/MD  
 Sample : VSTDICC010  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC010

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 01/09/2024  
 Supervised By :Semsettin Yesilyurt 01/09/2024

Quant Time: Jan 09 00:59:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010824S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 09 00:46:13 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 4133m    | 11.589  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.334  | 62   | 14594    | 10.952  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.363  | 43   | 12479    | 10.368  | ug/l # | 91       |
| 44) Trichloroethene           | 9.028  | 130  | 13505    | 10.548  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 12739    | 10.431  | ug/l   | 98       |
| 46) Dibromomethane            | 9.393  | 93   | 7233     | 10.706  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.581  | 83   | 19050    | 10.606  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.381  | 41   | 7529     | 11.319  | ug/l # | 68       |
| 49) 1,4-Dioxane               | 9.398  | 88   | 1165     | 197.254 | ug/l # | 89       |
| 51) 4-Methyl-2-Pentanone      | 10.163 | 43   | 30865    | 49.495  | ug/l # | 84       |
| 52) Toluene                   | 10.334 | 92   | 28533    | 9.541   | ug/l   | 93       |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 15937    | 9.997   | ug/l   | 89       |
| 54) cis-1,3-Dichloropropene   | 10.022 | 75   | 18306    | 10.064  | ug/l # | 84       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 9256     | 9.768   | ug/l   | 87       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 7426     | 10.055  | ug/l # | 74       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 15792    | 10.267  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 14970    | 44.394  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.922 | 43   | 24074    | 51.347  | ug/l   | 85       |
| 60) Dibromochloromethane      | 11.075 | 129  | 12872    | 10.750  | ug/l   | 94       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 8865     | 10.161  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.810 | 164  | 9787     | 9.789   | ug/l # | 92       |
| 65) Chlorobenzene             | 11.610 | 112  | 34690    | 10.210  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 13375    | 10.135  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.687 | 91   | 57097    | 9.570   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.792 | 106  | 43250    | 18.806  | ug/l   | 93       |
| 69) o-Xylene                  | 12.122 | 106  | 19951    | 9.368   | ug/l   | 93       |
| 70) Styrene                   | 12.139 | 104  | 30016    | 9.271   | ug/l   | 93       |
| 71) Bromoform                 | 12.304 | 173  | 6537     | 9.800   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.422 | 105  | 52712    | 9.596   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.234 | 43   | 10223    | 10.176  | ug/l # | 86       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 11128    | 10.766  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 7116m    | 9.775   | ug/l   |          |
| 77) Bromobenzene              | 12.698 | 156  | 12621    | 10.002  | ug/l   | 90       |
| 78) n-propylbenzene           | 12.763 | 91   | 66535    | 9.993   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 36017    | 10.167  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 44081    | 9.669   | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.475 | 75   | 3144     | 10.301  | ug/l   | 86       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 39307    | 10.315  | ug/l   | 95       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 38279    | 9.590   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 43194    | 9.544   | ug/l   | 94       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 58387    | 9.984   | ug/l   | 93       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 49152    | 9.493   | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 25686    | 9.811   | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 26922    | 10.410  | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.786 | 91   | 47434    | 9.647   | ug/l   | 96       |
| 90) Hexachloroethane          | 14.051 | 117  | 11516    | 10.821  | ug/l   | 86       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 23869    | 10.568  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 1169     | 8.346   | ug/l   | 73       |
| 93) 1,2,4-Trichlorobenzene    | 15.092 | 180  | 13822    | 9.883   | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 8477     | 10.743  | ug/l   | 96       |
| 95) Naphthalene               | 15.333 | 128  | 23414    | 9.444   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 12051    | 10.104  | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010824\  
Data File : VD078128.D  
Acq On : 08 Jan 2024 13:17  
Operator : RP/MD  
Sample : VSTDICC010  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC010

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 01/09/2024  
Supervised By :Semsettin Yesilyurt 01/09/2024

Quant Time: Jan 09 00:59:07 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010824S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 09 00:46:13 2024  
Response via : Initial Calibration

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

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

