

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012224\  
 Data File : VD078188.D  
 Acq On : 22 Jan 2024 11:00  
 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

Quant Time: Jan 23 05:25:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D012224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 23 05:12:01 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| -----                        |        |       |          |          |       |          |
| Internal Standards           |        |       |          |          |       |          |
| 1) Pentafluorobenzene        | 7.881  | 168   | 131908   | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.781  | 114   | 237418   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.587 | 117   | 217513   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.522 | 152   | 99217    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds  |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 8.234  | 65    | 16046    | 10.656   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =     | 21.320%# |
| 35) Dibromofluoromethane     | 7.810  | 113   | 15525    | 9.936    | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =     | 19.880%# |
| 50) Toluene-d8               | 10.275 | 98    | 58163    | 9.401    | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | =     | 18.800%# |
| 62) 4-Bromofluorobenzene     | 12.575 | 95    | 16665    | 9.288    | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 30 - 143 | Recovery | =     | 18.580%# |
| Target Compounds             |        |       |          |          |       |          |
|                              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.934  | 85    | 17762    | 9.702    | ug/l  | 90       |
| 3) Chloromethane             | 2.152  | 50    | 27849    | 9.342    | ug/l  | 94       |
| 4) Vinyl Chloride            | 2.287  | 62    | 33297    | 10.645   | ug/l  | 95       |
| 5) Bromomethane              | 2.699  | 94    | 23913    | 10.476   | ug/l  | 100      |
| 6) Chloroethane              | 2.840  | 64    | 23112    | 10.578   | ug/l  | 91       |
| 7) Trichlorofluoromethane    | 3.187  | 101   | 30699    | 10.790   | ug/l  | 93       |
| 8) Diethyl Ether             | 3.599  | 74    | 7719     | 9.787    | ug/l  | 70       |
| 9) 1,1,2-Trichlorotrifluo... | 3.981  | 101   | 17991    | 10.918   | ug/l  | # 83     |
| 10) Methyl Iodide            | 4.175  | 142   | 15466    | 9.363    | ug/l  | # 87     |
| 11) Tert butyl alcohol       | 5.063  | 59    | 3428     | 46.240   | ug/l  | # 73     |
| 12) 1,1-Dichloroethene       | 3.958  | 96    | 16728    | 10.248   | ug/l  | 92       |
| 13) Acrolein                 | 3.811  | 56    | 9199     | 54.053   | ug/l  | 93       |
| 14) Allyl chloride           | 4.569  | 41    | 21116    | 9.807    | ug/l  | 89       |
| 15) Acrylonitrile            | 5.263  | 53    | 17827    | 50.370   | ug/l  | 98       |
| 16) Acetone                  | 4.034  | 43    | 29530    | 58.622   | ug/l  | # 78     |
| 17) Carbon Disulfide         | 4.275  | 76    | 56007    | 10.581   | ug/l  | # 94     |
| 18) Methyl Acetate           | 4.563  | 43    | 12475    | 9.629    | ug/l  | # 82     |
| 19) Methyl tert-butyl Ether  | 5.328  | 73    | 32220    | 9.465    | ug/l  | # 87     |
| 20) Methylene Chloride       | 4.805  | 84    | 20503    | 7.476    | ug/l  | # 89     |
| 21) trans-1,2-Dichloroethene | 5.328  | 96    | 19890    | 10.544   | ug/l  | # 92     |
| 22) Diisopropyl ether        | 6.222  | 45    | 45155    | 9.910    | ug/l  | # 92     |
| 23) Vinyl Acetate            | 6.163  | 43    | 105175   | 46.852   | ug/l  | 96       |
| 24) 1,1-Dichloroethane       | 6.122  | 63    | 31121    | 9.885    | ug/l  | 94       |
| 25) 2-Butanone               | 7.087  | 43    | 32402    | 60.497   | ug/l  | # 81     |
| 26) 2,2-Dichloropropane      | 7.087  | 77    | 26485    | 10.042   | ug/l  | 97       |
| 27) cis-1,2-Dichloroethene   | 7.087  | 96    | 19637    | 9.691    | ug/l  | 87       |
| 28) Bromochloromethane       | 7.434  | 49    | 12283    | 10.003   | ug/l  | 81       |
| 29) Tetrahydrofuran          | 7.463  | 42    | 12509    | 50.352   | ug/l  | # 52     |
| 30) Chloroform               | 7.604  | 83    | 31466    | 9.827    | ug/l  | 95       |
| 31) Cyclohexane              | 7.881  | 56    | 28089    | 10.088   | ug/l  | # 87     |
| 32) 1,1,1-Trichloroethane    | 7.787  | 97    | 28243    | 10.211   | ug/l  | 99       |
| 36) 1,1-Dichloropropene      | 8.010  | 75    | 25809    | 10.044   | ug/l  | 94       |
| 37) Ethyl Acetate            | 7.175  | 43    | 9598     | 10.034   | ug/l  | # 88     |
| 38) Carbon Tetrachloride     | 7.999  | 117   | 25846    | 10.185   | ug/l  | 89       |
| 39) Methylcyclohexane        | 9.281  | 83    | 27952    | 9.199    | ug/l  | # 85     |
| 40) Benzene                  | 8.257  | 78    | 69356    | 9.512    | ug/l  | 99       |

01/23/2024  
 Supervised By :Semsettin  
 Esilyurt

01/23/2024

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 Acq On : 22 Jan 2024 11:00  
 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

Quant Time: Jan 23 05:25:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D012224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 23 05:12:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |     |
|-------------------------------|--------|------|----------|---------|-------|----------|-----|
| 41) Methacrylonitrile         | 7.404  | 41   | 5638     | 10.953  | ug/l  | #        | 67  |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 18909    | 9.967   | ug/l  |          | 96  |
| 43) Isopropyl Acetate         | 8.363  | 43   | 17091    | 9.752   | ug/l  | #        | 94  |
| 44) Trichloroethene           | 9.034  | 130  | 18392    | 9.859   | ug/l  |          | 84  |
| 45) 1,2-Dichloropropane       | 9.310  | 63   | 18536    | 10.244  | ug/l  |          | 98  |
| 46) Dibromomethane            | 9.399  | 93   | 10629    | 10.697  | ug/l  | #        | 82  |
| 47) Bromodichloromethane      | 9.593  | 83   | 25601    | 10.256  | ug/l  | #        | 98  |
| 48) Methyl methacrylate       | 9.381  | 41   | 9515     | 9.378   | ug/l  | #        | 75  |
| 49) 1,4-Dioxane               | 9.399  | 88   | 1886     | 196.157 | ug/l  | #        | 69  |
| 51) 4-Methyl-2-Pentanone      | 10.163 | 43   | 44927    | 48.785  | ug/l  |          | 86  |
| 52) Toluene                   | 10.340 | 92   | 44015    | 9.523   | ug/l  |          | 93  |
| 53) t-1,3-Dichloropropene     | 10.557 | 75   | 21764    | 9.451   | ug/l  |          | 93  |
| 54) cis-1,3-Dichloropropene   | 10.022 | 75   | 27123    | 9.825   | ug/l  | #        | 85  |
| 55) 1,1,2-Trichloroethane     | 10.728 | 97   | 12879    | 9.686   | ug/l  | #        | 93  |
| 56) Ethyl methacrylate        | 10.598 | 69   | 9893     | 9.089   | ug/l  | #        | 82  |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 23321    | 10.256  | ug/l  |          | 97  |
| 58) 2-Chloroethyl Vinyl ether | 9.875  | 63   | 29133    | 44.665  | ug/l  |          | 93  |
| 59) 2-Hexanone                | 10.928 | 43   | 42556    | 56.867  | ug/l  |          | 88  |
| 60) Dibromochloromethane      | 11.075 | 129  | 15237    | 9.720   | ug/l  |          | 89  |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 11928    | 9.732   | ug/l  |          | 100 |
| 64) Tetrachloroethene         | 10.816 | 164  | 14386    | 10.115  | ug/l  |          | 96  |
| 65) Chlorobenzene             | 11.610 | 112  | 48160    | 10.023  | ug/l  |          | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 16505    | 9.612   | ug/l  |          | 96  |
| 67) Ethyl Benzene             | 11.687 | 91   | 81404    | 9.310   | ug/l  |          | 89  |
| 68) m/p-Xylenes               | 11.793 | 106  | 62254    | 18.641  | ug/l  |          | 91  |
| 69) o-Xylene                  | 12.122 | 106  | 28056    | 9.257   | ug/l  |          | 92  |
| 70) Styrene                   | 12.134 | 104  | 40447    | 8.906   | ug/l  | #        | 92  |
| 71) Bromoform                 | 12.298 | 173  | 8571     | 10.079  | ug/l  | #        | 99  |
| 73) Isopropylbenzene          | 12.422 | 105  | 73508    | 9.423   | ug/l  |          | 94  |
| 74) N-amyl acetate            | 12.240 | 43   | 14031    | 9.401   | ug/l  |          | 91  |
| 75) 1,1,2,2-Tetrachloroethane | 12.681 | 83   | 14899    | 10.264  | ug/l  |          | 99  |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 9858m    | 10.751  | ug/l  |          |     |
| 77) Bromobenzene              | 12.704 | 156  | 16741    | 9.788   | ug/l  |          | 83  |
| 78) n-propylbenzene           | 12.763 | 91   | 92670    | 9.578   | ug/l  |          | 93  |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 50114    | 9.706   | ug/l  |          | 94  |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 59918    | 9.263   | ug/l  |          | 94  |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 4032     | 9.127   | ug/l  | #        | 85  |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 51418    | 9.447   | ug/l  |          | 96  |
| 83) tert-Butylbenzene         | 13.169 | 119  | 49905    | 9.229   | ug/l  |          | 91  |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 60749    | 9.286   | ug/l  |          | 95  |
| 85) sec-Butylbenzene          | 13.345 | 105  | 77727    | 9.493   | ug/l  |          | 94  |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 65492    | 9.192   | ug/l  |          | 96  |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 34572    | 9.763   | ug/l  |          | 97  |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 33813    | 9.665   | ug/l  |          | 91  |
| 89) n-Butylbenzene            | 13.787 | 91   | 63981    | 9.224   | ug/l  |          | 98  |
| 90) Hexachloroethane          | 14.051 | 117  | 14487    | 10.365  | ug/l  |          | 77  |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 30685    | 10.305  | ug/l  |          | 96  |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 2211     | 10.658  | ug/l  |          | 81  |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 17056    | 9.266   | ug/l  |          | 94  |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 8798     | 9.891   | ug/l  |          | 98  |
| 95) Naphthalene               | 15.334 | 128  | 29656    | 8.617   | ug/l  | #        | 93  |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 14122    | 9.144   | ug/l  |          | 98  |

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 Supervised By :Semsettin  
 Yesilyurt

01/23/2024

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD012224\  
Data File : VD078188.D  
Acq On : 22 Jan 2024 11:00  
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

Quant Time: Jan 23 05:25:37 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D012224S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 23 05:12:01 2024  
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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