

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111524\  
 Data File : VD080023.D  
 Acq On : 15 Nov 2024 11:24  
 Operator : RP/MD  
 Sample : VSTDICCC050  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 11/18/2024  
 Supervised By :Semsettin Yesilyurt 11/18/2024

Quant Time: Nov 15 16:10:06 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111524S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 15 16:08:17 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.881          | 168  | 204238              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.781          | 114  | 319923              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 297995              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516         | 152  | 156257              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.228          | 65   | 107370              | 51.060  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 102.120% |         |        |          |
| 35) Dibromofluoromethane     | 7.805          | 113  | 107989              | 50.718  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 101.440% |         |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 425425              | 53.013  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 106.020% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.575         | 95   | 139246              | 52.887  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 105.780% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 80818               | 49.304  | ug/l   | 100      |
| 3) Chloromethane             | 2.146          | 50   | 56320               | 46.722  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.287          | 62   | 65705               | 47.745  | ug/l   | 95       |
| 5) Bromomethane              | 2.693          | 94   | 62276               | 42.995  | ug/l   | 96       |
| 6) Chloroethane              | 2.840          | 64   | 42381               | 43.085  | ug/l   | 91       |
| 7) Trichlorofluoromethane    | 3.181          | 101  | 156382              | 46.266  | ug/l   | 93       |
| 8) Diethyl Ether             | 3.599          | 74   | 46243               | 46.866  | ug/l   | 88       |
| 9) 1,1,2-Trichlorotrifluo... | 3.969          | 101  | 98328               | 46.568  | ug/l   | 93       |
| 10) Methyl Iodide            | 4.164          | 142  | 142220              | 54.416  | ug/l   | 95       |
| 11) Tert butyl alcohol       | 5.058          | 59   | 23347               | 212.457 | ug/l # | 94       |
| 12) 1,1-Dichloroethene       | 3.946          | 96   | 100281              | 47.385  | ug/l   | 86       |
| 13) Acrolein                 | 3.799          | 56   | 49036               | 233.531 | ug/l   | 99       |
| 14) Allyl chloride           | 4.564          | 41   | 130216              | 43.407  | ug/l   | 92       |
| 15) Acrylonitrile            | 5.252          | 53   | 102327              | 233.440 | ug/l   | 99       |
| 16) Acetone                  | 4.022          | 43   | 107778              | 236.223 | ug/l # | 87       |
| 17) Carbon Disulfide         | 4.275          | 76   | 317309              | 46.563  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.564          | 43   | 43628               | 43.116  | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 5.316          | 73   | 222163              | 51.457  | ug/l   | 96       |
| 20) Methylene Chloride       | 4.805          | 84   | 113580              | 46.377  | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene | 5.311          | 96   | 117961              | 50.420  | ug/l   | 89       |
| 22) Diisopropyl ether        | 6.216          | 45   | 317583              | 52.280  | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.158          | 43   | 930999              | 267.500 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.111          | 63   | 198703              | 49.181  | ug/l   | 97       |
| 25) 2-Butanone               | 7.081          | 43   | 157148              | 263.573 | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 7.075          | 77   | 170966              | 48.681  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.081          | 96   | 133902              | 49.873  | ug/l   | 99       |
| 28) Bromochloromethane       | 7.422          | 49   | 83020               | 46.174  | ug/l # | 95       |
| 29) Tetrahydrofuran          | 7.446          | 42   | 86841               | 265.900 | ug/l   | 99       |
| 30) Chloroform               | 7.599          | 83   | 208157              | 48.903  | ug/l   | 98       |
| 31) Cyclohexane              | 7.881          | 56   | 162733              | 47.523  | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 177442              | 48.712  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.010          | 75   | 145755              | 50.063  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.169          | 43   | 62266               | 49.756  | ug/l # | 96       |
| 38) Carbon Tetrachloride     | 7.993          | 117  | 157125              | 49.395  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.275          | 83   | 177825              | 51.301  | ug/l   | 97       |
| 40) Benzene                  | 8.252          | 78   | 459376              | 50.620  | ug/l   | 99       |

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 ClientSampleId :  
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 Quant Title : SW846 8260  
 QLast Update : Fri Nov 15 16:08:17 2024  
 Response via : Initial Calibration

Manual Integrations  
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 Supervised By :Semsettin Yesilyurt 11/18/2024

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.393  | 41   | 33252    | 21.970   | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 117850   | 50.179   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 117454   | 51.776   | ug/l   | 99       |
| 44) Trichloroethene           | 9.028  | 130  | 115522   | 49.194   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 112751   | 51.700   | ug/l   | 98       |
| 46) Dibromomethane            | 9.393  | 93   | 62584    | 49.337   | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.587  | 83   | 159563   | 50.254   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.381  | 41   | 56346    | 52.029   | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 13386    | 1150.344 | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 308499   | 268.045  | ug/l   | 100      |
| 52) Toluene                   | 10.334 | 92   | 293358   | 52.018   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 146694   | 51.828   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 173261   | 51.706   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 85516    | 50.957   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 105685   | 54.157   | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 140185   | 51.349   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 197220   | 267.207  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.922 | 43   | 234554   | 277.067  | ug/l   | 97       |
| 60) Dibromochloromethane      | 11.075 | 129  | 111533   | 51.633   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 80516    | 50.886   | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.810 | 164  | 101766   | 47.954   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.604 | 112  | 318924   | 49.062   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 112677   | 49.796   | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.681 | 91   | 556007   | 50.976   | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.793 | 106  | 433218   | 101.632  | ug/l   | 100      |
| 69) o-Xylene                  | 12.122 | 106  | 199568   | 52.084   | ug/l   | 94       |
| 70) Styrene                   | 12.134 | 104  | 361279   | 52.826   | ug/l   | 98       |
| 71) Bromoform                 | 12.298 | 173  | 66498    | 49.843   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.422 | 105  | 511101   | 50.721   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.234 | 43   | 117234   | 52.801   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 94989    | 49.050   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 64068m   | 26.758   | ug/l   |          |
| 77) Bromobenzene              | 12.698 | 156  | 130507   | 49.836   | ug/l   | 99       |
| 78) n-propylbenzene           | 12.763 | 91   | 636265   | 51.092   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.845 | 91   | 369010   | 50.529   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 439937   | 51.586   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 34451    | 51.101   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 392567   | 50.283   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.163 | 119  | 375905   | 50.893   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 446723   | 52.143   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 552940   | 50.646   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 473021   | 51.257   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 263700   | 49.727   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.534 | 146  | 259510   | 48.727   | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.787 | 91   | 440220   | 50.705   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.051 | 117  | 95003    | 48.022   | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 230112   | 49.764   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 14287    | 48.788   | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 144289   | 49.762   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 77123    | 49.213   | ug/l   | 96       |
| 95) Naphthalene               | 15.328 | 128  | 253577   | 51.487   | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 128967   | 50.648   | ug/l   | 100      |

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

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

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