

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD070924\  
 Data File : VD079371.D  
 Acq On : 09 Jul 2024 19:46  
 Operator : RP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jul 10 03:08:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D070824S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 08 17:06:59 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/10/2024  
 Supervised By :Semsettin Yesilyurt 07/10/2024

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.869          | 168  | 211254              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775          | 114  | 384153              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581         | 117  | 359287              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516         | 152  | 170669              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.228          | 65   | 128933              | 51.791  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 103.580% |         |        |          |
| 35) Dibromofluoromethane     | 7.805          | 113  | 138413              | 51.073  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 102.140% |         |        |          |
| 50) Toluene-d8               | 10.269         | 98   | 545313              | 52.198  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 104.400% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.569         | 95   | 166814              | 51.374  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 102.740% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.928          | 85   | 105324              | 53.773  | ug/l   | 100      |
| 3) Chloromethane             | 2.146          | 50   | 137558              | 52.452  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.276          | 62   | 129229              | 47.944  | ug/l   | 97       |
| 5) Bromomethane              | 2.681          | 94   | 119756              | 70.557  | ug/l   | 98       |
| 6) Chloroethane              | 2.828          | 64   | 108364              | 75.034  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.164          | 101  | 212603              | 53.982  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.587          | 74   | 75223               | 59.788  | ug/l   | 89       |
| 9) 1,1,2-Trichlorotrifluo... | 3.958          | 101  | 136273              | 55.164  | ug/l   | 97       |
| 10) Methyl Iodide            | 4.152          | 142  | 186230              | 68.345  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.052          | 59   | 43090               | 271.150 | ug/l # | 84       |
| 12) 1,1-Dichloroethene       | 3.928          | 96   | 136158              | 55.500  | ug/l   | 94       |
| 13) Acrolein                 | 3.787          | 56   | 35680               | 181.102 | ug/l   | 97       |
| 14) Allyl chloride           | 4.552          | 41   | 171827              | 54.962  | ug/l   | 87       |
| 15) Acrylonitrile            | 5.252          | 53   | 163512              | 282.145 | ug/l   | 97       |
| 16) Acetone                  | 4.017          | 43   | 103090              | 217.727 | ug/l   | 95       |
| 17) Carbon Disulfide         | 4.258          | 76   | 417040              | 53.807  | ug/l   | 97       |
| 18) Methyl Acetate           | 4.564          | 43   | 84558               | 57.075  | ug/l   | 89       |
| 19) Methyl tert-butyl Ether  | 5.317          | 73   | 326157              | 59.821  | ug/l   | 94       |
| 20) Methylene Chloride       | 4.799          | 84   | 192336              | 52.073  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 5.305          | 96   | 159074              | 58.370  | ug/l   | 93       |
| 22) Diisopropyl ether        | 6.216          | 45   | 416488              | 59.492  | ug/l   | 95       |
| 23) Vinyl Acetate            | 6.152          | 43   | 1557142             | 290.644 | ug/l   | 94       |
| 24) 1,1-Dichloroethane       | 6.105          | 63   | 272853              | 57.804  | ug/l   | 99       |
| 25) 2-Butanone               | 7.081          | 43   | 175878              | 261.511 | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 7.075          | 77   | 179580              | 45.424  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.075          | 96   | 183627              | 57.716  | ug/l   | 91       |
| 28) Bromochloromethane       | 7.422          | 49   | 90545               | 45.508  | ug/l   | 80       |
| 29) Tetrahydrofuran          | 7.446          | 42   | 121462              | 296.303 | ug/l   | 87       |
| 30) Chloroform               | 7.593          | 83   | 290966              | 58.717  | ug/l   | 96       |
| 31) Cyclohexane              | 7.875          | 56   | 199654              | 53.032  | ug/l   | 86       |
| 32) 1,1,1-Trichloroethane    | 7.793          | 97   | 231216              | 55.816  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 8.010          | 75   | 190244              | 55.258  | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.163          | 43   | 85524               | 57.363  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 7.987          | 117  | 199982              | 55.182  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.269          | 83   | 229141              | 57.078  | ug/l   | 91       |
| 40) Benzene                  | 8.252          | 78   | 639075              | 57.981  | ug/l   | 97       |

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 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
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Reviewed By :Mahesh Dadoda 07/10/2024  
 Supervised By :Semsettin Yesilyurt 07/10/2024

Quant Time: Jul 10 03:08:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D070824S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 08 17:06:59 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.393  | 41   | 47179    | 54.143   | ug/l   | 86       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 157461   | 59.093   | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.358  | 43   | 157120   | 57.668   | ug/l   | 94       |
| 44) Trichloroethene           | 9.028  | 130  | 146758   | 55.855   | ug/l   | 87       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 155880   | 57.935   | ug/l   | 98       |
| 46) Dibromomethane            | 9.393  | 93   | 90528    | 57.382   | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.581  | 83   | 219616   | 56.937   | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.381  | 41   | 73910    | 54.873   | ug/l   | 87       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 21179    | 1185.446 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 428809   | 293.934  | ug/l   | 97       |
| 52) Toluene                   | 10.334 | 92   | 398738   | 58.764   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 190875   | 54.624   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 228946   | 54.850   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 121298   | 57.275   | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 153510   | 53.351   | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.875 | 76   | 199088   | 57.294   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 319976   | 254.492  | ug/l   | 92       |
| 59) 2-Hexanone                | 10.916 | 43   | 293663   | 281.736  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.075 | 129  | 151937   | 55.890   | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.175 | 107  | 113752   | 56.965   | ug/l   | 94       |
| 64) Tetrachloroethene         | 10.804 | 164  | 128712   | 61.112   | ug/l   | 93       |
| 65) Chlorobenzene             | 11.604 | 112  | 437124   | 57.964   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 146190   | 57.456   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.681 | 91   | 748673   | 59.467   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.787 | 106  | 583073   | 119.939  | ug/l   | 89       |
| 69) o-Xylene                  | 12.116 | 106  | 274715   | 60.392   | ug/l   | 87       |
| 70) Styrene                   | 12.134 | 104  | 493979   | 60.855   | ug/l   | 96       |
| 71) Bromoform                 | 12.299 | 173  | 82458    | 55.937   | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.416 | 105  | 686384   | 60.253   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.234 | 43   | 152414   | 59.535   | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 138659   | 57.613   | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 101328m  | 61.793   | ug/l   |          |
| 77) Bromobenzene              | 12.698 | 156  | 163567   | 60.681   | ug/l   | 83       |
| 78) n-propylbenzene           | 12.757 | 91   | 849022   | 59.796   | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 12.846 | 91   | 490820   | 60.273   | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene    | 12.898 | 105  | 584433   | 60.528   | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.463 | 75   | 42083    | 48.387   | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.946 | 91   | 509898   | 58.839   | ug/l   | 95       |
| 83) tert-Butylbenzene         | 13.163 | 119  | 491869   | 61.002   | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 599865   | 61.246   | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.340 | 105  | 751929   | 60.844   | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 622007   | 60.775   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 335791   | 59.073   | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.534 | 146  | 322976   | 56.452   | ug/l   | 95       |
| 89) n-Butylbenzene            | 13.787 | 91   | 582300   | 58.526   | ug/l   | 97       |
| 90) Hexachloroethane          | 14.051 | 117  | 125512   | 55.511   | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 295964   | 58.694   | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.440 | 75   | 19271    | 57.007   | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 15.092 | 180  | 160857   | 56.768   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.198 | 225  | 88555    | 58.927   | ug/l   | 95       |
| 95) Naphthalene               | 15.328 | 128  | 351271   | 62.357   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 151083   | 59.689   | ug/l   | 98       |

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Instrument :  
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Quant Title : SW846 8260  
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Response via : Initial Calibration

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

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

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