

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD011524\  
 Data File : VD078156.D  
 Acq On : 15 Jan 2024 10:52  
 Operator : RP/MD  
 Sample : VD0115SBS01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0115SBS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 01/16/2024  
 Supervised By :Semsettin Yesilyurt 01/16/2024

Quant Time: Jan 16 00:32:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010824S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 09 01:29:14 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|-------|----------|
| -----                        |                |      |                     |         |       |          |
| Internal Standards           |                |      |                     |         |       |          |
| 1) Pentafluorobenzene        | 7.881          | 168  | 93461               | 50.000  | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.781          | 114  | 166688              | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.587         | 117  | 153218              | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.522         | 152  | 76806               | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 8.240          | 65   | 53394               | 54.266  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 108.540% |         |       |          |
| 35) Dibromofluoromethane     | 7.810          | 113  | 57982               | 48.265  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 96.540%  |         |       |          |
| 50) Toluene-d8               | 10.275         | 98   | 203351              | 50.474  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 100.940% |         |       |          |
| 62) 4-Bromofluorobenzene     | 12.581         | 95   | 65732               | 46.868  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 93.740%  |         |       |          |
| Target Compounds             |                |      |                     |         |       |          |
|                              |                |      |                     |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.934          | 85   | 19005               | 22.317  | ug/l  | 99       |
| 3) Chloromethane             | 2.152          | 50   | 26885               | 22.623  | ug/l  | 98       |
| 4) Vinyl Chloride            | 2.293          | 62   | 38563               | 23.075  | ug/l  | 94       |
| 5) Bromomethane              | 2.693          | 94   | 27587               | 21.501  | ug/l  | 98       |
| 6) Chloroethane              | 2.846          | 64   | 30585               | 24.647  | ug/l  | 96       |
| 7) Trichlorofluoromethane    | 3.181          | 101  | 42314               | 23.041  | ug/l  | 98       |
| 8) Diethyl Ether             | 3.605          | 74   | 11871               | 24.652  | ug/l  | 91       |
| 9) 1,1,2-Trichlorotrifluo... | 3.969          | 101  | 24954               | 22.861  | ug/l  | 96       |
| 10) Methyl Iodide            | 4.169          | 142  | 20820               | 20.727  | ug/l  | 90       |
| 11) Tert butyl alcohol       | 5.052          | 59   | 6904                | 137.733 | ug/l  | # 83     |
| 12) 1,1-Dichloroethene       | 3.946          | 96   | 20956               | 22.672  | ug/l  | # 92     |
| 13) Acrolein                 | 3.805          | 56   | 10035               | 122.369 | ug/l  | 92       |
| 14) Allyl chloride           | 4.569          | 41   | 29226               | 23.669  | ug/l  | 90       |
| 15) Acrylonitrile            | 5.263          | 53   | 26772               | 118.833 | ug/l  | 93       |
| 16) Acetone                  | 4.028          | 43   | 37965               | 158.770 | ug/l  | 90       |
| 17) Carbon Disulfide         | 4.275          | 76   | 44556               | 21.629  | ug/l  | 99       |
| 18) Methyl Acetate           | 4.563          | 43   | 19198               | 21.677  | ug/l  | 89       |
| 19) Methyl tert-butyl Ether  | 5.334          | 73   | 53851               | 24.182  | ug/l  | 96       |
| 20) Methylene Chloride       | 4.811          | 84   | 31355               | 22.514  | ug/l  | # 74     |
| 21) trans-1,2-Dichloroethene | 5.316          | 96   | 25188               | 23.945  | ug/l  | 96       |
| 22) Diisopropyl ether        | 6.222          | 45   | 70050               | 24.126  | ug/l  | 92       |
| 23) Vinyl Acetate            | 6.163          | 43   | 172515m             | 132.265 | ug/l  |          |
| 24) 1,1-Dichloroethane       | 6.122          | 63   | 47952               | 23.671  | ug/l  | 99       |
| 25) 2-Butanone               | 7.081          | 43   | 41714               | 137.240 | ug/l  | 89       |
| 26) 2,2-Dichloropropane      | 7.081          | 77   | 45351               | 25.027  | ug/l  | 91       |
| 27) cis-1,2-Dichloroethene   | 7.087          | 96   | 31344               | 24.236  | ug/l  | 92       |
| 28) Bromochloromethane       | 7.434          | 49   | 16785               | 22.852  | ug/l  | # 79     |
| 29) Tetrahydrofuran          | 7.457          | 42   | 18409               | 115.446 | ug/l  | 89       |
| 30) Chloroform               | 7.599          | 83   | 52701               | 24.001  | ug/l  | 89       |
| 31) Cyclohexane              | 7.881          | 56   | 33411               | 22.442  | ug/l  | 84       |
| 32) 1,1,1-Trichloroethane    | 7.799          | 97   | 44832               | 23.604  | ug/l  | 99       |
| 36) 1,1-Dichloropropene      | 8.016          | 75   | 34923               | 21.530  | ug/l  | 95       |
| 37) Ethyl Acetate            | 7.169          | 43   | 15684               | 24.568  | ug/l  | # 93     |
| 38) Carbon Tetrachloride     | 7.993          | 117  | 40569               | 21.716  | ug/l  | # 95     |
| 39) Methylcyclohexane        | 9.275          | 83   | 36642               | 20.527  | ug/l  | 92       |
| 40) Benzene                  | 8.257          | 78   | 101405              | 20.944  | ug/l  | 98       |

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0115SBS01

Quant Time: Jan 16 00:32:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010824S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 09 01:29:14 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 01/16/2024  
 Supervised By :Semsettin Yesilyurt 01/16/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.399  | 41   | 8760     | 23.376  | ug/l # | 73       |
| 42) 1,2-Dichloroethane        | 8.334  | 62   | 30175    | 22.146  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 27390    | 22.256  | ug/l # | 76       |
| 44) Trichloroethene           | 9.034  | 130  | 28869    | 22.052  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.310  | 63   | 27709    | 22.191  | ug/l   | 97       |
| 46) Dibromomethane            | 9.399  | 93   | 14915    | 21.590  | ug/l   | 91       |
| 47) Bromodichloromethane      | 9.587  | 83   | 40007    | 21.783  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.381  | 41   | 16540    | 24.320  | ug/l # | 76       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 2803     | 464.155 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone      | 10.163 | 43   | 74349    | 116.604 | ug/l   | 88       |
| 52) Toluene                   | 10.334 | 92   | 67544    | 22.089  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 35988    | 22.078  | ug/l   | 92       |
| 54) cis-1,3-Dichloropropene   | 10.022 | 75   | 41994    | 22.579  | ug/l # | 87       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 21921    | 22.624  | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 17135    | 22.692  | ug/l # | 80       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 35780    | 22.751  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.875  | 63   | 35364    | 102.566 | ug/l   | 94       |
| 59) 2-Hexanone                | 10.922 | 43   | 60567    | 126.339 | ug/l   | 86       |
| 60) Dibromochloromethane      | 11.075 | 129  | 27207    | 22.223  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 19066    | 21.373  | ug/l   | 95       |
| 64) Tetrachloroethene         | 10.810 | 164  | 20369    | 19.635  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.610 | 112  | 75719    | 21.479  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 29308    | 21.402  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.687 | 91   | 128426   | 20.744  | ug/l   | 95       |
| 68) m/p-Xylenes               | 11.798 | 106  | 98342    | 41.211  | ug/l   | 88       |
| 69) o-Xylene                  | 12.128 | 106  | 47051    | 21.292  | ug/l   | 92       |
| 70) Styrene                   | 12.140 | 104  | 68699    | 20.450  | ug/l   | 94       |
| 71) Bromoform                 | 12.298 | 173  | 14666    | 21.189  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.428 | 105  | 121449   | 19.887  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.234 | 43   | 25586    | 22.907  | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 25448    | 22.145  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 18727m   | 24.765  | ug/l   |          |
| 77) Bromobenzene              | 12.704 | 156  | 30290    | 21.591  | ug/l   | 90       |
| 78) n-propylbenzene           | 12.763 | 91   | 154336   | 20.849  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 85096    | 21.606  | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 104565   | 20.631  | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 12.475 | 75   | 7631     | 22.489  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 12.951 | 91   | 88333    | 20.851  | ug/l   | 95       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 88440    | 19.931  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 105067   | 20.881  | ug/l   | 94       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 135104   | 20.781  | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 116998   | 20.324  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 60956    | 20.942  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 58080    | 20.201  | ug/l   | 94       |
| 89) n-Butylbenzene            | 13.787 | 91   | 112437   | 20.568  | ug/l   | 96       |
| 90) Hexachloroethane          | 14.057 | 117  | 23469    | 19.836  | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 51447    | 20.489  | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 3359     | 21.572  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 31891    | 20.512  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.210 | 225  | 17177    | 19.581  | ug/l   | 97       |
| 95) Naphthalene               | 15.334 | 128  | 57560    | 20.883  | ug/l   | 96       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 27048    | 20.399  | ug/l   | 97       |

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ALS Vial : 5 Sample Multiplier: 1

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Manual Integrations  
APPROVED

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Supervised By :Semsettin Yesilyurt 01/16/2024

Quant Time: Jan 16 00:32:37 2024  
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Quant Title : SW846 8260  
QLast Update : Tue Jan 09 01:29:14 2024  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

