

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW112221\  
 Data File : VW020934.D  
 Acq On : 22 Nov 2021 13:32  
 Operator : SY/VA  
 Sample : VW1122SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1122SBS01

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/23/2021  
 Supervised By :Mahesh Dadoda 11/23/2021

Quant Time: Nov 23 02:23:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111721S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 18 05:03:38 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.946          | 168  | 76472      | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.842          | 114  | 112111     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.634         | 117  | 101164     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.560         | 152  | 53314      | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.305          | 65   | 34927      | 49.307   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 98.620%  |        |          |
| 35) Dibromofluoromethane     | 7.885          | 113  | 35727      | 50.805   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 101.600% |        |          |
| 50) Toluene-d8               | 10.323         | 98   | 134410     | 52.114   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 104.220% |        |          |
| 62) 4-Bromofluorobenzene     | 12.615         | 95   | 49497      | 51.459   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 102.920% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.014          | 85   | 3844       | 25.886   | ug/l   | 90       |
| 3) Chloromethane             | 2.209          | 50   | 9059       | 20.578   | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.361          | 62   | 15693      | 20.244   | ug/l   | 97       |
| 5) Bromomethane              | 2.770          | 94   | 14140      | 28.339   | ug/l   | 94       |
| 6) Chloroethane              | 2.916          | 64   | 7621       | 25.506   | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 3.251          | 101  | 7673       | 23.866   | ug/l   | 96       |
| 8) Diethyl Ether             | 3.684          | 74   | 7114       | 21.068   | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 4.056          | 101  | 14331      | 21.608   | ug/l   | 99       |
| 10) Methyl Iodide            | 4.269          | 142  | 21553      | 21.545   | ug/l   | 97       |
| 11) Tert butyl alcohol       | 5.184          | 59   | 4762       | 76.305   | ug/l # | 87       |
| 12) 1,1-Dichloroethene       | 4.038          | 96   | 13816      | 21.258   | ug/l   | 96       |
| 13) Acrolein                 | 3.904          | 56   | 1209       | 112.387  | ug/l   | 88       |
| 14) Allyl chloride           | 4.666          | 41   | 19576      | 20.980   | ug/l   | 100      |
| 15) Acrylonitrile            | 5.373          | 53   | 14418      | 98.691   | ug/l   | 98       |
| 16) Acetone                  | 4.129          | 43   | 13845      | 94.025   | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.385          | 76   | 37302      | 20.887   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.672          | 43   | 11036      | 21.479   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.428          | 73   | 23317      | 20.820   | ug/l   | 97       |
| 20) Methylene Chloride       | 4.916          | 84   | 16299      | 20.221   | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 5.422          | 96   | 16215      | 21.917   | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.312          | 45   | 39694      | 20.733   | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.257          | 43   | 108339     | 96.702   | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 6.220          | 63   | 26362      | 21.643   | ug/l   | 98       |
| 25) 2-Butanone               | 7.171          | 43   | 19215      | 91.880   | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 7.171          | 77   | 18287      | 21.159   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.165          | 96   | 17612      | 21.309   | ug/l   | 99       |
| 28) Bromochloromethane       | 7.513          | 49   | 10854      | 21.059   | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.537          | 42   | 12219      | 96.344   | ug/l   | 99       |
| 30) Chloroform               | 7.677          | 83   | 28480      | 21.253   | ug/l   | 95       |
| 31) Cyclohexane              | 7.952          | 56   | 24320      | 20.580   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 7.872          | 97   | 24704      | 21.834   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.086          | 75   | 21902      | 21.746   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.257          | 43   | 8837       | 19.236   | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 8.067          | 117  | 23645      | 22.070   | ug/l   | 90       |
| 39) Methylcyclohexane        | 9.335          | 83   | 27194      | 21.505   | ug/l   | 98       |
| 40) Benzene                  | 8.323          | 78   | 62286      | 21.690   | ug/l   | 97       |

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 Sample : VW1122SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW1122SBS01

Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 11/23/2021  
 Supervised By :Mahesh Dadoda 11/23/2021

Quant Time: Nov 23 02:23:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111721S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 18 05:03:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.482  | 41   | 5090     | 20.780  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.397  | 62   | 18726    | 21.497  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.427  | 43   | 17462    | 19.368  | ug/l   | 99       |
| 44) Trichloroethene           | 9.092  | 130  | 18396    | 21.956  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.372  | 63   | 14276    | 21.586  | ug/l   | 98       |
| 46) Dibromomethane            | 9.457  | 93   | 9029     | 21.549  | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.646  | 83   | 20832    | 21.014  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.433  | 41   | 8390     | 20.919  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.457  | 88   | 2214     | 366.697 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.207 | 43   | 44253    | 96.405  | ug/l   | 100      |
| 52) Toluene                   | 10.384 | 92   | 40741    | 22.071  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.604 | 75   | 20095    | 20.416  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.073 | 75   | 24252    | 21.773  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.786 | 97   | 11778    | 20.966  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.646 | 69   | 14313    | 20.009  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.933 | 76   | 20009    | 21.156  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.921  | 63   | 34900    | 96.945  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.969 | 43   | 30965    | 96.970  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.128 | 129  | 14316    | 20.214  | ug/l   | 93       |
| 61) 1,2-Dibromoethane         | 11.231 | 107  | 12394    | 22.237  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.860 | 164  | 15876    | 21.123  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.658 | 112  | 44912    | 22.082  | ug/l   | 92       |
| 66) 1,1,1,2-Tetrachloroethane | 11.725 | 131  | 16317    | 21.576  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.731 | 91   | 79139    | 22.172  | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.835 | 106  | 63364    | 43.911  | ug/l   | 98       |
| 69) o-Xylene                  | 12.164 | 106  | 30519    | 22.555  | ug/l   | 100      |
| 70) Styrene                   | 12.183 | 104  | 49833    | 21.928  | ug/l   | 99       |
| 71) Bromoform                 | 12.347 | 173  | 8843     | 20.229  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.463 | 105  | 81287    | 22.312  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.268 | 43   | 16552    | 19.074  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 12993    | 20.442  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.762 | 75   | 9857m    | 20.578  | ug/l   |          |
| 77) Bromobenzene              | 12.743 | 156  | 18985    | 21.454  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.804 | 91   | 96136    | 22.404  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.890 | 91   | 53976    | 21.764  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 66306    | 21.223  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.512 | 75   | 3908     | 19.191  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.987 | 91   | 56857    | 21.618  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.201 | 119  | 63183    | 22.627  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 67209    | 21.785  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.384 | 105  | 89091    | 22.170  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.493 | 119  | 77163    | 22.274  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.499 | 146  | 39919    | 22.258  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 39583    | 21.963  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.822 | 91   | 68775    | 22.110  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.091 | 117  | 13406    | 20.548  | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene       | 13.871 | 146  | 34132    | 21.662  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.481 | 75   | 2232     | 19.997  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.133 | 180  | 24042    | 21.413  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.231 | 225  | 13970    | 21.941  | ug/l   | 94       |
| 95) Naphthalene               | 15.365 | 128  | 41401    | 19.895  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 21275    | 21.489  | ug/l   | 99       |

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Sample : VW1122SBSD01  
Misc : 5.00g/5.0mL/MSVOA\_W/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW1122SBSD01

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 11/23/2021  
Supervised By :Mahesh Dadoda 11/23/2021

Quant Time: Nov 23 02:23:13 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W111721S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 18 05:03:38 2021  
Response via : Initial Calibration

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

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

