

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091324\  
 Data File : VY019534.D  
 Acq On : 13 Sep 2024 11:53  
 Operator : SY/MD  
 Sample : VY0913SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0913SBS01

Manual Integrations  
 APPROVED

Reviewed By : Semsettin  
 Yesilyurt

09/16/2024  
 Supervised By : Mahesh  
 Dadoda

Quant Time: Sep 14 04:37:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 09 16:00:30 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 437933   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.610  | 114  | 754559   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 632207   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 294349   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 203962   | 50.297   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 100.600% |      |
| 35) Dibromofluoromethane    | 7.634  | 113   | 204862   | 47.885   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 95.760%  |      |
| 50) Toluene-d8              | 10.103 | 98    | 761612   | 48.130   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 96.260%  |      |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 268680   | 44.158   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | = 88.320%  |      |

|                              |       |     |        |         |      |      |
|------------------------------|-------|-----|--------|---------|------|------|
| Target Compounds             |       |     |        | Qvalue  |      |      |
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 60054  | 22.867  | ug/l | 98   |
| 3) Chloromethane             | 2.074 | 50  | 70946  | 19.581  | ug/l | 98   |
| 4) Vinyl Chloride            | 2.202 | 62  | 82600  | 21.083  | ug/l | 97   |
| 5) Bromomethane              | 2.592 | 94  | 56442  | 23.453  | ug/l | 97   |
| 6) Chloroethane              | 2.733 | 64  | 55712  | 21.752  | ug/l | 98   |
| 7) Trichlorofluoromethane    | 3.056 | 101 | 138152 | 21.153  | ug/l | 95   |
| 8) Diethyl Ether             | 3.452 | 74  | 42697  | 19.476  | ug/l | 91   |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 81752  | 20.235  | ug/l | 97   |
| 10) Methyl Iodide            | 4.001 | 142 | 94120  | 18.170  | ug/l | 92   |
| 11) Tert butyl alcohol       | 4.854 | 59  | 33417  | 102.041 | ug/l | # 78 |
| 12) 1,1-Dichloroethene       | 3.781 | 96  | 73616  | 18.947  | ug/l | 89   |
| 13) Acrolein                 | 3.647 | 56  | 23646  | 143.903 | ug/l | 97   |
| 14) Allyl chloride           | 4.379 | 41  | 127843 | 18.348  | ug/l | # 93 |
| 15) Acrylonitrile            | 5.049 | 53  | 93234  | 98.632  | ug/l | 98   |
| 16) Acetone                  | 3.867 | 43  | 93960  | 97.259  | ug/l | # 87 |
| 17) Carbon Disulfide         | 4.104 | 76  | 177992 | 16.955  | ug/l | 98   |
| 18) Methyl Acetate           | 4.385 | 43  | 48340  | 18.438  | ug/l | # 89 |
| 19) Methyl tert-butyl Ether  | 5.110 | 73  | 215878 | 19.617  | ug/l | 100  |
| 20) Methylene Chloride       | 4.610 | 84  | 92673  | 21.034  | ug/l | 88   |
| 21) trans-1,2-Dichloroethene | 5.110 | 96  | 80624  | 18.931  | ug/l | 95   |
| 22) Diisopropyl ether        | 6.013 | 45  | 275389 | 19.247  | ug/l | 91   |
| 23) Vinyl Acetate            | 5.952 | 43  | 789274 | 96.573  | ug/l | 94   |
| 24) 1,1-Dichloroethane       | 5.909 | 63  | 155349 | 19.348  | ug/l | 98   |
| 25) 2-Butanone               | 6.890 | 43  | 131263 | 95.532  | ug/l | 89   |
| 26) 2,2-Dichloropropane      | 6.878 | 77  | 142415 | 19.664  | ug/l | 97   |
| 27) cis-1,2-Dichloroethene   | 6.884 | 96  | 101133 | 19.549  | ug/l | 89   |
| 28) Bromochloromethane       | 7.238 | 49  | 68772  | 20.357  | ug/l | 87   |
| 29) Tetrahydrofuran          | 7.262 | 42  | 78766  | 94.283  | ug/l | 88   |
| 30) Chloroform               | 7.415 | 83  | 167046 | 20.381  | ug/l | 99   |
| 31) Cyclohexane              | 7.695 | 56  | 133554 | 18.402  | ug/l | 94   |
| 32) 1,1,1-Trichloroethane    | 7.616 | 97  | 148420 | 20.202  | ug/l | 97   |
| 36) 1,1-Dichloropropene      | 7.835 | 75  | 110826 | 19.038  | ug/l | 97   |
| 37) Ethyl Acetate            | 6.982 | 43  | 56247  | 18.857  | ug/l | 96   |
| 38) Carbon Tetrachloride     | 7.811 | 117 | 127500 | 19.422  | ug/l | 98   |
| 39) Methylcyclohexane        | 9.110 | 83  | 143361 | 18.505  | ug/l | 91   |
| 40) Benzene                  | 8.079 | 78  | 342616 | 19.108  | ug/l | 99   |

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 Quant Title : SW846 8260  
 QLast Update : Mon Sep 09 16:00:30 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.214  | 41   | 31903    | 18.349  | ug/l   | 89       |
| 42) 1,2-Dichloroethane        | 8.159  | 62   | 96573    | 20.016  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.195  | 43   | 117728   | 18.787  | ug/l   | 93       |
| 44) Trichloroethene           | 8.866  | 130  | 87796    | 19.039  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 84005    | 19.164  | ug/l   | 97       |
| 46) Dibromomethane            | 9.231  | 93   | 47238    | 19.706  | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.420  | 83   | 126000   | 19.554  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.219  | 41   | 52987    | 17.906  | ug/l   | 86       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 11093    | 393.099 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 295954   | 93.875  | ug/l   | 93       |
| 52) Toluene                   | 10.170 | 92   | 219138   | 19.003  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 121602   | 19.797  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 132706   | 18.554  | ug/l # | 88       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 63400    | 19.152  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.439 | 69   | 92220    | 18.339  | ug/l # | 78       |
| 57) 1,3-Dichloropropane       | 10.713 | 76   | 108893   | 19.137  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 221306   | 94.821  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.762 | 43   | 215387   | 93.189  | ug/l   | 90       |
| 60) Dibromochloromethane      | 10.908 | 129  | 84521    | 19.301  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.012 | 107  | 58833    | 19.075  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.646 | 164  | 75314    | 19.238  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.445 | 112  | 242222   | 19.478  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 85101    | 19.765  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.518 | 91   | 437145   | 19.783  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.627 | 106  | 328221   | 39.283  | ug/l   | 95       |
| 69) o-Xylene                  | 11.951 | 106  | 158358   | 19.380  | ug/l   | 96       |
| 70) Styrene                   | 11.969 | 104  | 263286   | 19.084  | ug/l   | 96       |
| 71) Bromoform                 | 12.133 | 173  | 46850    | 19.050  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.255 | 105  | 422914   | 19.805  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 109255   | 18.812  | ug/l # | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 75767    | 19.990  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 54544m   | 19.770  | ug/l   |          |
| 77) Bromobenzene              | 12.530 | 156  | 91496    | 19.319  | ug/l   | 91       |
| 78) n-propylbenzene           | 12.597 | 91   | 507361   | 20.046  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 290379   | 19.686  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 340528   | 19.616  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 24627    | 17.136  | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 12.780 | 91   | 298720   | 19.699  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 320011   | 20.362  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 339434   | 19.753  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 460908   | 20.188  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 373468   | 19.994  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.286 | 146  | 184754   | 20.076  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 177644   | 19.451  | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.615 | 91   | 354572   | 19.856  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 76240    | 19.616  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 13.658 | 146  | 157526   | 19.182  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 12321    | 19.505  | ug/l   | 78       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 88465    | 17.712  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 49394    | 18.512  | ug/l   | 97       |
| 95) Naphthalene               | 15.145 | 128  | 175971   | 17.593  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 75404    | 17.650  | ug/l   | 98       |

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Quant Title : SW846 8260  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

