

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101524\  
 Data File : VY019900.D  
 Acq On : 15 Oct 2024 13:53  
 Operator : SY/MD  
 Sample : VY1015SBS02  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1015SBS02

Quant Time: Oct 16 02:47:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 10 05:30:07 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/16/2024  
 Supervised By :Semsettin Yesilyurt 10/16/2024

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.713          | 168  | 266612     | 50.000  | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 452427     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.414         | 117  | 386969     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.346         | 152  | 191515     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.061          | 65   | 160110     | 48.773  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 97.540% |        |          |
| 35) Dibromofluoromethane     | 7.634          | 113  | 147680     | 49.465  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 98.940% |        |          |
| 50) Toluene-d8               | 10.109         | 98   | 521879     | 47.335  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 94.680% |        |          |
| 62) 4-Bromofluorobenzene     | 12.408         | 95   | 193898     | 48.673  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 29 - 146 |      | Recovery = | 97.340% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 46572      | 18.764  | ug/l   | 95       |
| 3) Chloromethane             | 2.074          | 50   | 61608      | 19.072  | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.208          | 62   | 70125      | 19.727  | ug/l   | 99       |
| 5) Bromomethane              | 2.598          | 94   | 44095      | 19.598  | ug/l   | 97       |
| 6) Chloroethane              | 2.739          | 64   | 44905      | 18.804  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.068          | 101  | 109545     | 20.710  | ug/l   | 95       |
| 8) Diethyl Ether             | 3.458          | 74   | 30944      | 19.249  | ug/l   | 77       |
| 9) 1,1,2-Trichlorotrifluo... | 3.818          | 101  | 64942      | 21.108  | ug/l   | 93       |
| 10) Methyl Iodide            | 4.013          | 142  | 54312      | 17.454  | ug/l   | 91       |
| 11) Tert butyl alcohol       | 4.854          | 59   | 31596      | 102.737 | ug/l # | 84       |
| 12) 1,1-Dichloroethene       | 3.793          | 96   | 53864      | 18.832  | ug/l   | 85       |
| 13) Acrolein                 | 3.659          | 56   | 25159      | 104.300 | ug/l   | 97       |
| 14) Allyl chloride           | 4.391          | 41   | 99076      | 19.198  | ug/l # | 91       |
| 15) Acrylonitrile            | 5.067          | 53   | 76396      | 103.900 | ug/l   | 98       |
| 16) Acetone                  | 3.873          | 43   | 95870      | 112.186 | ug/l # | 82       |
| 17) Carbon Disulfide         | 4.110          | 76   | 119661     | 15.608  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.397          | 43   | 36513      | 19.835  | ug/l # | 87       |
| 19) Methyl tert-butyl Ether  | 5.122          | 73   | 163107     | 19.850  | ug/l   | 100      |
| 20) Methylene Chloride       | 4.622          | 84   | 73318      | 22.781  | ug/l # | 84       |
| 21) trans-1,2-Dichloroethene | 5.122          | 96   | 57645      | 18.518  | ug/l   | 87       |
| 22) Diisopropyl ether        | 6.025          | 45   | 235468     | 20.947  | ug/l   | 94       |
| 23) Vinyl Acetate            | 5.970          | 43   | 654657     | 101.588 | ug/l # | 90       |
| 24) 1,1-Dichloroethane       | 5.921          | 63   | 129129     | 20.665  | ug/l   | 96       |
| 25) 2-Butanone               | 6.902          | 43   | 126701     | 110.767 | ug/l # | 82       |
| 26) 2,2-Dichloropropane      | 6.890          | 77   | 112152     | 20.154  | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 6.896          | 96   | 74348      | 19.326  | ug/l   | 81       |
| 28) Bromochloromethane       | 7.250          | 49   | 62700      | 22.797  | ug/l # | 73       |
| 29) Tetrahydrofuran          | 7.268          | 42   | 66622      | 102.006 | ug/l # | 81       |
| 30) Chloroform               | 7.421          | 83   | 130096     | 20.424  | ug/l   | 94       |
| 31) Cyclohexane              | 7.707          | 56   | 107696     | 19.634  | ug/l   | 89       |
| 32) 1,1,1-Trichloroethane    | 7.616          | 97   | 112273     | 20.113  | ug/l # | 93       |
| 36) 1,1-Dichloropropene      | 7.841          | 75   | 87774      | 20.407  | ug/l   | 95       |
| 37) Ethyl Acetate            | 6.988          | 43   | 48180      | 21.482  | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 7.823          | 117  | 94831      | 20.566  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.109          | 83   | 108066     | 19.940  | ug/l   | 89       |
| 40) Benzene                  | 8.085          | 78   | 258107     | 19.828  | ug/l   | 97       |

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 Sample : VY1015SBS02  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
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Quant Time: Oct 16 02:47:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 10 05:30:07 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/16/2024  
 Supervised By :Semsettin Yesilyurt 10/16/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.226  | 41   | 25265    | 20.814  | ug/l # | 88       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 79225    | 21.185  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.195  | 43   | 95903    | 20.967  | ug/l # | 77       |
| 44) Trichloroethene           | 8.866  | 130  | 62175    | 19.721  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 9.146  | 63   | 69178    | 21.233  | ug/l   | 100      |
| 46) Dibromomethane            | 9.231  | 93   | 35828    | 20.127  | ug/l   | 90       |
| 47) Bromodichloromethane      | 9.420  | 83   | 98430    | 20.832  | ug/l # | 96       |
| 48) Methyl methacrylate       | 9.219  | 41   | 43646    | 21.693  | ug/l # | 82       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 8296     | 416.396 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 252983   | 108.436 | ug/l   | 88       |
| 52) Toluene                   | 10.170 | 92   | 165958   | 20.425  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 86097    | 20.252  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 101150   | 20.164  | ug/l # | 84       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 48490    | 20.675  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 69538    | 20.664  | ug/l # | 74       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 86638    | 21.036  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 181628   | 115.935 | ug/l   | 93       |
| 59) 2-Hexanone                | 10.762 | 43   | 188331   | 113.022 | ug/l   | 86       |
| 60) Dibromochloromethane      | 10.914 | 129  | 60030    | 19.942  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.011 | 107  | 43551    | 20.550  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 50803    | 18.457  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.444 | 112  | 178348   | 20.150  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 62106    | 20.740  | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.518 | 91   | 325938   | 20.272  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.627 | 106  | 237633   | 40.019  | ug/l   | 88       |
| 69) o-Xylene                  | 11.956 | 106  | 115768   | 20.292  | ug/l   | 92       |
| 70) Styrene                   | 11.969 | 104  | 195847   | 20.347  | ug/l   | 95       |
| 71) Bromoform                 | 12.133 | 173  | 31149    | 19.431  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.255 | 105  | 318158   | 19.750  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.072 | 43   | 84338    | 19.767  | ug/l # | 87       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 58772    | 20.533  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 50296m   | 13.406  | ug/l   |          |
| 77) Bromobenzene              | 12.530 | 156  | 65195    | 19.072  | ug/l   | 82       |
| 78) n-propylbenzene           | 12.597 | 91   | 399232   | 20.511  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 221237   | 19.826  | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 255482   | 19.638  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 17188    | 18.492  | ug/l # | 84       |
| 82) 4-Chlorotoluene           | 12.779 | 91   | 229838   | 20.143  | ug/l   | 93       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 239872   | 20.582  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 257915   | 19.996  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 366460   | 21.046  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 288203   | 20.383  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 137968   | 19.986  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 130643   | 19.264  | ug/l   | 95       |
| 89) n-Butylbenzene            | 13.621 | 91   | 291165   | 21.089  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.883 | 117  | 55448    | 20.139  | ug/l   | 85       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 119179   | 19.648  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75   | 9026     | 19.759  | ug/l   | 76       |
| 93) 1,2,4-Trichlorobenzene    | 14.925 | 180  | 66005    | 19.406  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 38945    | 20.596  | ug/l   | 97       |
| 95) Naphthalene               | 15.145 | 128  | 123495   | 19.251  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 56804    | 19.757  | ug/l   | 97       |

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ALS Vial : 6 Sample Multiplier: 1

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Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 10/16/2024  
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Quant Time: Oct 16 02:47:50 2024  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

