

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092624\  
 Data File : VY019713.D  
 Acq On : 26 Sep 2024 16:30  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Sep 27 02:02:57 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

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/27/2024  
 Supervised By :Semsettin Yesilyurt 09/27/2024

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.701          | 168  | 310410              | 50.000  | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.610          | 114  | 547034              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.414         | 117  | 480196              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.347         | 152  | 230912              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.055          | 65   | 188675              | 65.641  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 131.280% |         |        |          |
| 35) Dibromofluoromethane     | 7.628          | 113  | 189373              | 61.057  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 122.120% |         |        |          |
| 50) Toluene-d8               | 10.109         | 98   | 662178              | 57.721  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 115.440% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.408         | 95   | 245900              | 55.746  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 29 - 146 |      | Recovery = 111.500% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 77180               | 45.089  | ug/l   | 98       |
| 3) Chloromethane             | 2.068          | 50   | 140586              | 54.741  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.208          | 62   | 168648              | 60.729  | ug/l   | 99       |
| 5) Bromomethane              | 2.599          | 94   | 125741              | 73.714  | ug/l   | 98       |
| 6) Chloroethane              | 2.739          | 64   | 124789              | 68.738  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.056          | 101  | 279534              | 60.385  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.452          | 74   | 97367               | 62.660  | ug/l   | 87       |
| 9) 1,1,2-Trichlorotrifluo... | 3.812          | 101  | 166428              | 58.117  | ug/l   | 96       |
| 10) Methyl Iodide            | 4.001          | 142  | 192775              | 52.505  | ug/l   | 92       |
| 11) Tert butyl alcohol       | 4.860          | 59   | 87875               | 378.568 | ug/l # | 82       |
| 12) 1,1-Dichloroethene       | 3.787          | 96   | 158567              | 57.577  | ug/l   | 88       |
| 13) Acrolein                 | 3.653          | 56   | 16830               | 144.563 | ug/l   | 99       |
| 14) Allyl chloride           | 4.379          | 41   | 277400              | 56.168  | ug/l # | 94       |
| 15) Acrylonitrile            | 5.049          | 53   | 225819              | 337.037 | ug/l   | 98       |
| 16) Acetone                  | 3.873          | 43   | 204589              | 298.772 | ug/l # | 84       |
| 17) Carbon Disulfide         | 4.104          | 76   | 393700              | 52.910  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.379          | 43   | 123812              | 66.626  | ug/l   | 91       |
| 19) Methyl tert-butyl Ether  | 5.104          | 73   | 510498              | 65.448  | ug/l   | 99       |
| 20) Methylene Chloride       | 4.610          | 84   | 192088              | 61.510  | ug/l   | 87       |
| 21) trans-1,2-Dichloroethene | 5.104          | 96   | 182006              | 60.294  | ug/l   | 93       |
| 22) Diisopropyl ether        | 6.013          | 45   | 635182              | 62.630  | ug/l   | 95       |
| 23) Vinyl Acetate            | 5.952          | 43   | 1824066             | 314.878 | ug/l   | 94       |
| 24) 1,1-Dichloroethane       | 5.909          | 63   | 362193              | 63.643  | ug/l   | 97       |
| 25) 2-Butanone               | 6.890          | 43   | 308871              | 317.145 | ug/l # | 86       |
| 26) 2,2-Dichloropropane      | 6.878          | 77   | 298261              | 58.101  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 6.884          | 96   | 233182              | 63.593  | ug/l   | 89       |
| 28) Bromochloromethane       | 7.238          | 49   | 137898              | 57.589  | ug/l   | 86       |
| 29) Tetrahydrofuran          | 7.256          | 42   | 196055              | 331.088 | ug/l   | 87       |
| 30) Chloroform               | 7.415          | 83   | 385137              | 66.293  | ug/l   | 98       |
| 31) Cyclohexane              | 7.695          | 56   | 268685              | 52.232  | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 7.616          | 97   | 326008              | 62.606  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 7.829          | 75   | 245357              | 58.136  | ug/l   | 97       |
| 37) Ethyl Acetate            | 6.976          | 43   | 136308              | 63.035  | ug/l   | 95       |
| 38) Carbon Tetrachloride     | 7.811          | 117  | 280491              | 58.936  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.110          | 83   | 300858              | 53.568  | ug/l   | 93       |
| 40) Benzene                  | 8.079          | 78   | 779444              | 59.962  | ug/l   | 99       |

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 ALS Vial : 11 Sample Multiplier: 1

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Manual Integrations  
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 Supervised By :Semsettin Yesilyurt 09/27/2024

Quant Time: Sep 27 02:02:57 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) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.214  | 41   | 73186    | 58.060   | ug/l   | 91       |
| 42) 1,2-Dichloroethane        | 8.152  | 62   | 231446   | 66.168   | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.195  | 43   | 283145   | 62.325   | ug/l # | 82       |
| 44) Trichloroethene           | 8.866  | 130  | 193553   | 57.897   | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 194284   | 61.136   | ug/l   | 98       |
| 46) Dibromomethane            | 9.231  | 93   | 113337   | 65.217   | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.420  | 83   | 297984   | 63.788   | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.219  | 41   | 130270   | 60.721   | ug/l   | 85       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 26987    | 1319.126 | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 733540   | 320.944  | ug/l   | 92       |
| 52) Toluene                   | 10.170 | 92   | 510611   | 61.077   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 269632   | 60.549   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 309481   | 59.684   | ug/l # | 88       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 154242   | 64.270   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.439 | 69   | 230426   | 63.207   | ug/l # | 82       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 260939   | 63.254   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 513108   | 303.250  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.762 | 43   | 501664   | 299.389  | ug/l   | 91       |
| 60) Dibromochloromethane      | 10.914 | 129  | 204111   | 64.294   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.012 | 107  | 139215   | 62.258   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 172851   | 58.128   | ug/l   | 93       |
| 65) Chlorobenzene             | 11.445 | 112  | 567405   | 60.070   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 199249   | 60.924   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.518 | 91   | 996593   | 59.379   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.627 | 106  | 744457   | 117.307  | ug/l   | 94       |
| 69) o-Xylene                  | 11.957 | 106  | 361015   | 58.168   | ug/l   | 94       |
| 70) Styrene                   | 11.969 | 104  | 624626   | 59.609   | ug/l   | 97       |
| 71) Bromoform                 | 12.133 | 173  | 112895   | 60.437   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.255 | 105  | 966029   | 57.667   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 258990   | 56.846   | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 188337   | 63.341   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.560 | 75   | 112363m  | 51.916   | ug/l   |          |
| 77) Bromobenzene              | 12.530 | 156  | 215546   | 58.015   | ug/l   | 91       |
| 78) n-propylbenzene           | 12.597 | 91   | 1136696  | 57.248   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 663362   | 57.328   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 772953   | 56.757   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 58530    | 51.915   | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 12.780 | 91   | 682007   | 57.330   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 713551   | 57.876   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 770025   | 57.121   | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 1028237  | 57.410   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 842425   | 57.489   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.286 | 146  | 421967   | 58.449   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 415391   | 57.977   | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.615 | 91   | 786024   | 56.109   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 170638   | 55.965   | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 13.658 | 146  | 377837   | 58.649   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 28946    | 58.412   | ug/l   | 82       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 211344   | 53.938   | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 114238   | 54.576   | ug/l   | 99       |
| 95) Naphthalene               | 15.145 | 128  | 432087   | 55.066   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 182590   | 54.479   | ug/l   | 99       |

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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

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