

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050224\  
 Data File : VY018110.D  
 Acq On : 02 May 2024 12:32  
 Operator : SY/MD  
 Sample : VY0502SBSD01  
 Misc : 3.16g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0502SBSD01

Quant Time: May 02 23:01:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050124S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 01 16:21:20 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Romaben Patel 05/03/2024  
 Supervised By :Semsettin Yesilyurt 05/03/2024

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 298626   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 497738   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 425497   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 198396   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 129969   | 55.215   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 110.420% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 155020   | 54.196   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 108.400% |
| 50) Toluene-d8              | 10.179 | 98    | 589361   | 52.779   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 105.560% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 192246   | 50.026   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 100.060% |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.900 | 85  | 45249  | 18.982  | ug/l   | 94  |
| 3) Chloromethane             | 2.107 | 50  | 63407  | 20.358  | ug/l   | 97  |
| 4) Vinyl Chloride            | 2.247 | 62  | 65878  | 19.549  | ug/l   | 98  |
| 5) Bromomethane              | 2.644 | 94  | 51267  | 24.648  | ug/l   | 98  |
| 6) Chloroethane              | 2.784 | 64  | 43334  | 20.649  | ug/l   | 98  |
| 7) Trichlorofluoromethane    | 3.119 | 101 | 82555  | 18.401  | ug/l   | 98  |
| 8) Diethyl Ether             | 3.522 | 74  | 29024  | 20.149  | ug/l   | 95  |
| 9) 1,1,2-Trichlorotrifluo... | 3.893 | 101 | 51634  | 18.442  | ug/l   | 96  |
| 10) Methyl Iodide            | 4.089 | 142 | 72099  | 19.429  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 4.954 | 59  | 19954  | 104.011 | ug/l # | 88  |
| 12) 1,1-Dichloroethene       | 3.863 | 96  | 53746  | 18.825  | ug/l   | 90  |
| 13) Acrolein                 | 3.723 | 56  | 26167  | 91.640  | ug/l   | 100 |
| 14) Allyl chloride           | 4.466 | 41  | 71076  | 18.830  | ug/l   | 98  |
| 15) Acrylonitrile            | 5.149 | 53  | 54595  | 100.900 | ug/l   | 100 |
| 16) Acetone                  | 3.936 | 43  | 39841  | 88.847  | ug/l   | 94  |
| 17) Carbon Disulfide         | 4.186 | 76  | 161491 | 18.943  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.473 | 43  | 22868  | 19.912  | ug/l   | 98  |
| 19) Methyl tert-butyl Ether  | 5.210 | 73  | 129671 | 19.793  | ug/l   | 92  |
| 20) Methylene Chloride       | 4.704 | 84  | 69413  | 22.090  | ug/l   | 98  |
| 21) trans-1,2-Dichloroethene | 5.210 | 96  | 61192  | 20.162  | ug/l   | 90  |
| 22) Diisopropyl ether        | 6.113 | 45  | 153477 | 19.742  | ug/l   | 95  |
| 23) Vinyl Acetate            | 6.045 | 43  | 472197 | 95.765  | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 6.003 | 63  | 93360  | 19.888  | ug/l   | 98  |
| 25) 2-Butanone               | 6.972 | 43  | 66277  | 95.004  | ug/l   | 95  |
| 26) 2,2-Dichloropropane      | 6.972 | 77  | 86482  | 19.699  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 6.978 | 96  | 72703  | 20.087  | ug/l   | 94  |
| 28) Bromochloromethane       | 7.326 | 49  | 41349  | 21.796  | ug/l   | 91  |
| 29) Tetrahydrofuran          | 7.338 | 42  | 43002  | 96.961  | ug/l   | 97  |
| 30) Chloroform               | 7.496 | 83  | 96670  | 19.460  | ug/l   | 99  |
| 31) Cyclohexane              | 7.777 | 56  | 81692  | 18.113  | ug/l # | 90  |
| 32) 1,1,1-Trichloroethane    | 7.698 | 97  | 84898  | 18.725  | ug/l   | 97  |
| 36) 1,1-Dichloropropene      | 7.911 | 75  | 70430  | 18.446  | ug/l   | 97  |
| 37) Ethyl Acetate            | 7.064 | 43  | 30832  | 18.556  | ug/l # | 94  |
| 38) Carbon Tetrachloride     | 7.893 | 117 | 77012  | 17.771  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.179 | 83  | 97222  | 17.336  | ug/l   | 96  |
| 40) Benzene                  | 8.155 | 78  | 232440 | 18.945  | ug/l   | 97  |

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 Sample : VY0502SBS01  
 Misc : 3.16g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0502SBS01

Quant Time: May 02 23:01:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050124S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 01 16:21:20 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Romaben Patel 05/03/2024  
 Supervised By :Semsettin Yesilyurt 05/03/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.295  | 41   | 16122    | 16.453  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 53409    | 18.790  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 63248    | 18.119  | ug/l   | 96       |
| 44) Trichloroethene           | 8.935  | 130  | 63434    | 18.232  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 9.210  | 63   | 51676    | 19.305  | ug/l   | 99       |
| 46) Dibromomethane            | 9.301  | 93   | 30864    | 18.964  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.496  | 83   | 74259    | 18.586  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.289  | 41   | 27713    | 17.343  | ug/l   | 91       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 7003     | 387.838 | ug/l # | 90       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 155618   | 91.276  | ug/l   | 96       |
| 52) Toluene                   | 10.240 | 92   | 150518   | 18.537  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 71022    | 18.397  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 86033    | 18.969  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 40244    | 18.385  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 54917    | 17.744  | ug/l   | 89       |
| 57) 1,3-Dichloropropane       | 10.789 | 76   | 66296    | 18.957  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.777  | 63   | 136432   | 94.434  | ug/l   | 94       |
| 59) 2-Hexanone                | 10.831 | 43   | 108912   | 89.504  | ug/l   | 97       |
| 60) Dibromochloromethane      | 10.984 | 129  | 53750    | 18.078  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 39668    | 18.911  | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.715 | 164  | 55094    | 17.887  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.514 | 112  | 167578   | 18.659  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 56242    | 18.617  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 275905   | 18.319  | ug/l   | 93       |
| 68) m/p-Xylenes               | 11.697 | 106  | 223244   | 36.993  | ug/l   | 96       |
| 69) o-Xylene                  | 12.026 | 106  | 105858   | 18.260  | ug/l   | 98       |
| 70) Styrene                   | 12.044 | 104  | 181931   | 18.646  | ug/l   | 97       |
| 71) Bromoform                 | 12.209 | 173  | 31259    | 17.657  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.325 | 105  | 266766   | 17.865  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.142 | 43   | 56102    | 17.119  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 44602    | 18.772  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 28408m   | 17.061  | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 65665    | 18.508  | ug/l   | 91       |
| 78) n-propylbenzene           | 12.672 | 91   | 309054   | 17.974  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 174675   | 17.887  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 12.813 | 105  | 217168   | 18.046  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 16007    | 17.514  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 179391   | 17.927  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 201368   | 18.277  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 214686   | 18.210  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.252 | 105  | 279462   | 17.675  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 234507   | 17.798  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 123410   | 18.186  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 121568   | 18.176  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.697 | 91   | 208734   | 17.901  | ug/l   | 97       |
| 90) Hexachloroethane          | 13.959 | 117  | 47196    | 17.630  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 106185   | 17.957  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 5792     | 16.160  | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 59889    | 18.122  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 33244    | 18.173  | ug/l   | 99       |
| 95) Naphthalene               | 15.233 | 128  | 105335   | 17.310  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 48955    | 17.752  | ug/l   | 99       |

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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0502SBSD01

Manual Integrations  
APPROVED

Reviewed By :Romaben Patel 05/03/2024  
Supervised By :Semsettin Yesilyurt 05/03/2024

Quant Time: May 02 23:01:40 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050124S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 01 16:21:20 2024  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
| -----    |      |      |          |      |       |          |

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

