

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110223\  
 Data File : VY016180.D  
 Acq On : 02 Nov 2023 09:57  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 11/03/2023  
 Supervised By :Semsettin Yesilyurt 11/03/2023

Quant Time: Nov 03 01:35:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 01 03:33:29 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.813          | 168  | 193147     | 50.000  | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene      | 8.710          | 114  | 309349     | 50.000  | ug/l   | 0.01     |
| 63) Chlorobenzene-d5         | 11.508         | 117  | 263075     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.446         | 152  | 121090     | 50.000  | ug/l   | 0.01     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.167          | 65   | 86481      | 47.850  | ug/l   | 0.02     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 95.700% |        |          |
| 35) Dibromofluoromethane     | 7.740          | 113  | 82948      | 44.977  | ug/l   | 0.01     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 89.960% |        |          |
| 50) Toluene-d8               | 10.197         | 98   | 348192     | 47.619  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 95.240% |        |          |
| 62) 4-Bromofluorobenzene     | 12.502         | 95   | 115589     | 46.229  | ug/l   | 0.01     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 92.460% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.918          | 85   | 64249      | 52.147  | ug/l   | 95       |
| 3) Chloromethane             | 2.125          | 50   | 88207      | 51.709  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.266          | 62   | 96777      | 54.968  | ug/l   | 97       |
| 5) Bromomethane              | 2.668          | 94   | 63211      | 53.200  | ug/l   | 100      |
| 6) Chloroethane              | 2.814          | 64   | 67365      | 54.348  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.150          | 101  | 150852     | 56.754  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.552          | 74   | 46471      | 52.751  | ug/l   | 84       |
| 9) 1,1,2-Trichlorotrifluo... | 3.924          | 101  | 87737      | 52.397  | ug/l   | 96       |
| 10) Methyl Iodide            | 4.119          | 142  | 98854      | 53.090  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 4.991          | 59   | 34104      | 252.556 | ug/l # | 95       |
| 12) 1,1-Dichloroethene       | 3.899          | 96   | 80163      | 52.451  | ug/l   | 92       |
| 13) Acrolein                 | 3.753          | 56   | 30486      | 245.552 | ug/l   | 100      |
| 14) Allyl chloride           | 4.503          | 41   | 121021     | 55.360  | ug/l # | 95       |
| 15) Acrylonitrile            | 5.192          | 53   | 96928      | 257.485 | ug/l   | 97       |
| 16) Acetone                  | 3.973          | 43   | 74136      | 257.541 | ug/l   | 93       |
| 17) Carbon Disulfide         | 4.229          | 76   | 197053     | 51.643  | ug/l   | 98       |
| 18) Methyl Acetate           | 4.503          | 43   | 74823      | 51.479  | ug/l # | 89       |
| 19) Methyl tert-butyl Ether  | 5.247          | 73   | 231123     | 53.165  | ug/l   | 99       |
| 20) Methylene Chloride       | 4.747          | 84   | 92090      | 50.103  | ug/l   | 90       |
| 21) trans-1,2-Dichloroethene | 5.253          | 96   | 91656      | 51.485  | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.143          | 45   | 272649     | 51.565  | ug/l   | 90       |
| 23) Vinyl Acetate            | 6.088          | 43   | 662982     | 255.379 | ug/l # | 92       |
| 24) 1,1-Dichloroethane       | 6.051          | 63   | 163724     | 51.737  | ug/l   | 96       |
| 25) 2-Butanone               | 7.009          | 43   | 122316     | 245.306 | ug/l   | 91       |
| 26) 2,2-Dichloropropane      | 7.009          | 77   | 162275     | 54.246  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.015          | 96   | 110832     | 52.902  | ug/l   | 92       |
| 28) Bromochloromethane       | 7.362          | 49   | 56198      | 47.457  | ug/l   | 84       |
| 29) Tetrahydrofuran          | 7.368          | 42   | 77414      | 247.671 | ug/l   | 88       |
| 30) Chloroform               | 7.533          | 83   | 176809     | 51.319  | ug/l   | 96       |
| 31) Cyclohexane              | 7.807          | 56   | 133811     | 48.163  | ug/l   | 90       |
| 32) 1,1,1-Trichloroethane    | 7.728          | 97   | 167375     | 52.973  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 7.941          | 75   | 132037     | 49.581  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.100          | 43   | 58816      | 49.586  | ug/l # | 95       |
| 38) Carbon Tetrachloride     | 7.923          | 117  | 145832     | 55.274  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.203          | 83   | 164017     | 51.597  | ug/l   | 92       |
| 40) Benzene                  | 8.185          | 78   | 374137     | 48.936  | ug/l   | 100      |

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 ALS Vial : 2 Sample Multiplier: 1

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 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
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Reviewed By :Mahesh Dadoda 11/03/2023  
 Supervised By :Semsettin Yesilyurt 11/03/2023

Quant Time: Nov 03 01:35:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 01 03:33:29 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.332  | 41   | 34739m   | 50.457  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.258  | 62   | 111850   | 52.424  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.289  | 43   | 116197   | 49.525  | ug/l # | 92       |
| 44) Trichloroethene           | 8.959  | 130  | 112744   | 50.392  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.234  | 63   | 94005    | 51.112  | ug/l   | 98       |
| 46) Dibromomethane            | 9.325  | 93   | 52333    | 50.160  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.514  | 83   | 137382   | 51.826  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.313  | 41   | 54745    | 51.313  | ug/l   | 90       |
| 49) 1,4-Dioxane               | 9.319  | 88   | 11090    | 879.500 | ug/l # | 61       |
| 51) 4-Methyl-2-Pentanone      | 10.087 | 43   | 296889   | 253.601 | ug/l   | 91       |
| 52) Toluene                   | 10.264 | 92   | 257377   | 51.951  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.484 | 75   | 135915   | 51.361  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.947  | 75   | 157878   | 50.844  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 10.660 | 97   | 73907    | 50.359  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.526 | 69   | 97842    | 51.335  | ug/l   | 88       |
| 57) 1,3-Dichloropropane       | 10.807 | 76   | 124465   | 49.818  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.801  | 63   | 224062   | 242.436 | ug/l   | 92       |
| 59) 2-Hexanone                | 10.849 | 43   | 209294   | 260.890 | ug/l   | 91       |
| 60) Dibromochloromethane      | 11.002 | 129  | 93785    | 50.937  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.105 | 107  | 69657    | 49.900  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.740 | 164  | 109108   | 46.627  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.538 | 112  | 264733   | 50.650  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.605 | 131  | 101559   | 52.461  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.611 | 91   | 484025   | 51.776  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.721 | 106  | 374675   | 103.718 | ug/l   | 94       |
| 69) o-Xylene                  | 12.044 | 106  | 178167   | 51.656  | ug/l   | 96       |
| 70) Styrene                   | 12.063 | 104  | 292674   | 51.044  | ug/l   | 97       |
| 71) Bromoform                 | 12.227 | 173  | 56174    | 52.305  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.349 | 105  | 475783   | 52.380  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.160 | 43   | 101591   | 51.468  | ug/l # | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.599 | 83   | 76255    | 52.758  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.648 | 75   | 58508m   | 51.308  | ug/l   |          |
| 77) Bromobenzene              | 12.630 | 156  | 107432   | 52.234  | ug/l   | 95       |
| 78) n-propylbenzene           | 12.691 | 91   | 560975   | 52.238  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.776 | 91   | 309747   | 51.715  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.831 | 105  | 380726   | 51.736  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.398 | 75   | 28209    | 53.637  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 12.873 | 91   | 320012   | 52.031  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.093 | 119  | 341689   | 51.893  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.136 | 105  | 376934   | 51.764  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.270 | 105  | 507132   | 52.475  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.386 | 119  | 417231   | 52.091  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.386 | 146  | 207278   | 50.957  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.465 | 146  | 202975   | 50.487  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.715 | 91   | 382065   | 51.914  | ug/l   | 96       |
| 90) Hexachloroethane          | 13.977 | 117  | 76972    | 55.765  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 13.757 | 146  | 181273   | 51.578  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.373 | 75   | 12294    | 47.527  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.025 | 180  | 110029   | 50.723  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.129 | 225  | 63594    | 53.649  | ug/l   | 97       |
| 95) Naphthalene               | 15.251 | 128  | 203785   | 48.358  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.440 | 180  | 90402    | 48.786  | ug/l   | 98       |

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ALS Vial : 2 Sample Multiplier: 1

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Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/03/2023  
Supervised By :Semsettin Yesilyurt 11/03/2023

Quant Time: Nov 03 01:35:56 2023  
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Quant Title : SW846 8260  
QLast Update : Wed Nov 01 03:33:29 2023  
Response via : Initial Calibration

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

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

