

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021822\  
 Data File : VY007559.D  
 Acq On : 18 Feb 2022 20:44  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Feb 19 04:37:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021422S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 15 09:34:50 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/21/2022  
 Supervised By : Mahesh Dadoda 02/21/2022

02/21/2022  
 Supervised By : Mahesh  
 Dadoda

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 76059    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 121537   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 109908   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 52960    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 43329    | 51.599   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 103.200% |      |
| 35) Dibromofluoromethane    | 7.722  | 113   | 41309    | 53.897   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 107.800% |      |
| 50) Toluene-d8              | 10.179 | 98    | 145182   | 49.873   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 99.740%  |      |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 51174    | 51.844   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 103.680% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 48187  | 57.270  | ug/l   | 99  |
| 3) Chloromethane             | 2.113 | 50  | 38299  | 55.124  | ug/l   | 93  |
| 4) Vinyl Chloride            | 2.253 | 62  | 38160  | 45.077  | ug/l   | 98  |
| 5) Bromomethane              | 2.650 | 94  | 30785  | 62.540  | ug/l   | 91  |
| 6) Chloroethane              | 2.790 | 64  | 26485  | 52.871  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 3.125 | 101 | 95408  | 59.292  | ug/l   | 94  |
| 8) Diethyl Ether             | 3.528 | 74  | 27299  | 58.701  | ug/l   | 70  |
| 9) 1,1,2-Trichlorotrifluo... | 3.900 | 101 | 47808  | 54.035  | ug/l   | 96  |
| 10) Methyl Iodide            | 4.095 | 142 | 57141  | 52.318  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 4.954 | 59  | 22583  | 343.792 | ug/l # | 93  |
| 12) 1,1-Dichloroethene       | 3.875 | 96  | 43402  | 52.553  | ug/l   | 82  |
| 13) Acrolein                 | 3.729 | 56  | 15496  | 234.915 | ug/l   | 99  |
| 14) Allyl chloride           | 4.485 | 41  | 52439  | 45.176  | ug/l # | 81  |
| 15) Acrylonitrile            | 5.168 | 53  | 56432  | 275.638 | ug/l   | 99  |
| 16) Acetone                  | 3.942 | 43  | 46774  | 209.946 | ug/l   | 94  |
| 17) Carbon Disulfide         | 4.198 | 76  | 112792 | 47.416  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.479 | 43  | 24392  | 49.647  | ug/l # | 79  |
| 19) Methyl tert-butyl Ether  | 5.222 | 73  | 137758 | 60.145  | ug/l # | 88  |
| 20) Methylene Chloride       | 4.723 | 84  | 48467  | 53.078  | ug/l # | 78  |
| 21) trans-1,2-Dichloroethene | 5.222 | 96  | 46215  | 51.215  | ug/l # | 79  |
| 22) Diisopropyl ether        | 6.119 | 45  | 107279 | 43.960  | ug/l # | 89  |
| 23) Vinyl Acetate            | 6.064 | 43  | 379160 | 243.531 | ug/l # | 83  |
| 24) 1,1-Dichloroethane       | 6.021 | 63  | 78704  | 51.602  | ug/l   | 98  |
| 25) 2-Butanone               | 6.984 | 43  | 64489  | 233.783 | ug/l # | 77  |
| 26) 2,2-Dichloropropane      | 6.978 | 77  | 76379  | 49.976  | ug/l   | 95  |
| 27) cis-1,2-Dichloroethene   | 6.984 | 96  | 53899  | 53.587  | ug/l   | 83  |
| 28) Bromochloromethane       | 7.332 | 49  | 28005  | 47.909  | ug/l # | 53  |
| 29) Tetrahydrofuran          | 7.344 | 42  | 39662  | 245.014 | ug/l # | 68  |
| 30) Chloroform               | 7.503 | 83  | 93142  | 56.572  | ug/l   | 96  |
| 31) Cyclohexane              | 7.783 | 56  | 59261  | 39.906  | ug/l # | 83  |
| 32) 1,1,1-Trichloroethane    | 7.704 | 97  | 88005  | 56.129  | ug/l   | 94  |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 62518  | 50.346  | ug/l   | 96  |
| 37) Ethyl Acetate            | 7.070 | 43  | 29684  | 52.908  | ug/l # | 92  |
| 38) Carbon Tetrachloride     | 7.905 | 117 | 81954  | 58.082  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.185 | 83  | 75830  | 47.035  | ug/l # | 83  |
| 40) Benzene                  | 8.161 | 78  | 174761 | 51.185  | ug/l   | 99  |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

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 Quant Title : SW846 8260  
 QLast Update : Tue Feb 15 09:34:50 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

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 Supervised By :Mahesh Dadoda 02/21/2022

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| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.314  | 41   | 15542m   | 42.672   | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 62570    | 59.971   | ug/l   | 94       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 61208    | 53.713   | ug/l # | 86       |
| 44) Trichloroethene           | 8.941  | 130  | 54317    | 56.080   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 42044    | 51.790   | ug/l   | 98       |
| 46) Dibromomethane            | 9.307  | 93   | 30544    | 60.589   | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.496  | 83   | 74799    | 61.099   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.295  | 41   | 26420    | 52.319   | ug/l # | 70       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 7408     | 1365.056 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 153482   | 271.206  | ug/l   | 88       |
| 52) Toluene                   | 10.246 | 92   | 114769   | 52.424   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 73471    | 57.479   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 78322    | 54.912   | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 40381    | 60.394   | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 52904    | 58.840   | ug/l # | 80       |
| 57) 1,3-Dichloropropane       | 10.789 | 76   | 67096    | 58.271   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 121454   | 259.241  | ug/l # | 86       |
| 59) 2-Hexanone                | 10.831 | 43   | 106860   | 261.544  | ug/l   | 86       |
| 60) Dibromochloromethane      | 10.984 | 129  | 55404    | 65.711   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 41129    | 61.695   | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.721 | 164  | 47890    | 55.252   | ug/l   | 95       |
| 65) Chlorobenzene             | 11.514 | 112  | 130973   | 54.407   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 55442    | 60.982   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.593 | 91   | 237922   | 52.809   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 179207   | 105.103  | ug/l   | 100      |
| 69) o-Xylene                  | 12.026 | 106  | 86640    | 53.701   | ug/l   | 98       |
| 70) Styrene                   | 12.044 | 104  | 147071   | 55.442   | ug/l   | 99       |
| 71) Bromoform                 | 12.209 | 173  | 33600    | 67.100   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 235862   | 50.270   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.142 | 43   | 54473    | 51.284   | ug/l # | 87       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 44312    | 55.139   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 32422m   | 52.984   | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 55584    | 55.169   | ug/l   | 90       |
| 78) n-propylbenzene           | 12.672 | 91   | 278747   | 49.372   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 155891   | 50.085   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.813 | 105  | 201960   | 51.966   | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.374 | 75   | 15636    | 53.109   | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 162326   | 50.874   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.075 | 119  | 177077   | 52.132   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 202053   | 53.620   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 252625   | 50.454   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 214233   | 51.945   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 105814   | 53.945   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 104734   | 53.811   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.697 | 91   | 196388   | 50.073   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.959 | 117  | 43574    | 55.291   | ug/l   | 85       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 97209    | 56.270   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 8593     | 62.980   | ug/l   | 83       |
| 93) 1,2,4-Trichlorobenzene    | 15.001 | 180  | 61897    | 59.849   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 35432    | 59.067   | ug/l   | 96       |
| 95) Naphthalene               | 15.233 | 128  | 140740   | 62.462   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 55037    | 61.537   | ug/l   | 97       |

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Sample : VSTDCCC050  
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ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 02/21/2022  
Supervised By :Mahesh Dadoda 02/21/2022

Quant Time: Feb 19 04:37:59 2022  
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Supervised By :Mahesh  
Dadoda

02/21/2022

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

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

