

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110122\  
 Data File : VY011237.D  
 Acq On : 01 Nov 2022 22:07  
 Operator : KP/MD  
 Sample : VY1101SBS02  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1101SBS02

Quant Time: Nov 02 01:44:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 01 11:56:18 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 11/02/2022  
 Supervised By :Mahesh Dadoda 11/02/2022

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 227338     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685          | 114  | 373436     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.490         | 117  | 345764     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422         | 152  | 172753     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.136          | 65   | 120136     | 49.410   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 98.820%  |        |          |
| 35) Dibromofluoromethane     | 7.716          | 113  | 121369     | 50.585   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 101.160% |        |          |
| 50) Toluene-d8               | 10.179         | 98   | 457679     | 49.131   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 98.260%  |        |          |
| 62) 4-Bromofluorobenzene     | 12.477         | 95   | 162121     | 50.130   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 100.260% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.900          | 85   | 50023      | 25.461   | ug/l   | 100      |
| 3) Chloromethane             | 2.113          | 50   | 54158      | 21.484   | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.247          | 62   | 59171      | 21.013   | ug/l   | 97       |
| 5) Bromomethane              | 2.637          | 94   | 41857      | 22.281   | ug/l   | 99       |
| 6) Chloroethane              | 2.790          | 64   | 37967      | 20.982   | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 3.119          | 101  | 86847      | 20.876   | ug/l   | 90       |
| 8) Diethyl Ether             | 3.528          | 74   | 30797      | 20.631   | ug/l   | 81       |
| 9) 1,1,2-Trichlorotrifluo... | 3.893          | 101  | 51472      | 20.579   | ug/l   | 94       |
| 10) Methyl Iodide            | 4.088          | 142  | 60339      | 18.741   | ug/l   | 92       |
| 11) Tert butyl alcohol       | 4.936          | 59   | 38657      | 138.812  | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 3.869          | 96   | 50092      | 20.257   | ug/l # | 79       |
| 13) Acrolein                 | 3.723          | 56   | 16075      | 113.704  | ug/l   | 100      |
| 14) Allyl chloride           | 4.472          | 41   | 75124      | 20.056   | ug/l # | 85       |
| 15) Acrylonitrile            | 5.155          | 53   | 75412      | 100.678  | ug/l   | 97       |
| 16) Acetone                  | 3.942          | 43   | 53791      | 73.290   | ug/l # | 81       |
| 17) Carbon Disulfide         | 4.186          | 76   | 166418     | 20.490   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.472          | 43   | 41811      | 21.518   | ug/l # | 87       |
| 19) Methyl tert-butyl Ether  | 5.222          | 73   | 131529     | 20.016   | ug/l   | 95       |
| 20) Methylene Chloride       | 4.710          | 84   | 70429      | 20.497   | ug/l # | 83       |
| 21) trans-1,2-Dichloroethene | 5.210          | 96   | 57306      | 20.375   | ug/l   | 84       |
| 22) Diisopropyl ether        | 6.106          | 45   | 162310     | 20.900   | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.058          | 43   | 471075     | 99.379   | ug/l # | 92       |
| 24) 1,1-Dichloroethane       | 6.009          | 63   | 100456     | 20.655   | ug/l   | 98       |
| 25) 2-Butanone               | 6.978          | 43   | 92865      | 89.925   | ug/l # | 87       |
| 26) 2,2-Dichloropropane      | 6.978          | 77   | 81910      | 18.419   | ug/l   | 94       |
| 27) cis-1,2-Dichloroethene   | 6.978          | 96   | 64598      | 20.844   | ug/l   | 88       |
| 28) Bromochloromethane       | 7.332          | 49   | 37190      | 19.907   | ug/l   | 84       |
| 29) Tetrahydrofuran          | 7.344          | 42   | 60708      | 100.979  | ug/l # | 85       |
| 30) Chloroform               | 7.502          | 83   | 102391     | 20.845   | ug/l   | 97       |
| 31) Cyclohexane              | 7.783          | 56   | 88903      | 19.728   | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane    | 7.697          | 97   | 88767      | 20.374   | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 7.917          | 75   | 79137      | 20.197   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.070          | 43   | 41619      | 19.704   | ug/l # | 93       |
| 38) Carbon Tetrachloride     | 7.899          | 117  | 82828      | 20.376   | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.179          | 83   | 96573      | 20.259   | ug/l   | 89       |
| 40) Benzene                  | 8.155          | 78   | 236249     | 20.516   | ug/l   | 96       |

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 MSVOA\_Y  
 ClientSampleId :  
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 Quant Title : SW846 8260  
 QLast Update : Tue Nov 01 11:56:18 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

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 Supervised By :Mahesh Dadoda 11/02/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.320  | 41   | 22350m   | 19.474  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 63708    | 20.373  | ug/l   | 89       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 72626    | 19.516  | ug/l # | 87       |
| 44) Trichloroethene           | 8.935  | 130  | 62003    | 20.119  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 58157    | 20.428  | ug/l   | 96       |
| 46) Dibromomethane            | 9.301  | 93   | 32654    | 20.300  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.496  | 83   | 77759    | 20.392  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.289  | 41   | 33473    | 19.583  | ug/l # | 77       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 9148     | 422.737 | ug/l # | 90       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 200150   | 98.917  | ug/l # | 87       |
| 52) Toluene                   | 10.240 | 92   | 147505   | 20.658  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 79069    | 19.689  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 91826    | 19.984  | ug/l # | 80       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 46859    | 20.326  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 59891    | 19.667  | ug/l # | 75       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 80131    | 20.306  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 147119   | 103.052 | ug/l   | 96       |
| 59) 2-Hexanone                | 10.831 | 43   | 134664   | 93.221  | ug/l   | 85       |
| 60) Dibromochloromethane      | 10.983 | 129  | 55713    | 20.340  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 44646    | 20.398  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.715 | 164  | 59666    | 20.315  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.514 | 112  | 154858   | 20.300  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 57595    | 20.505  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.593 | 91   | 271682   | 20.078  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.703 | 106  | 214094   | 40.759  | ug/l   | 95       |
| 69) o-Xylene                  | 12.026 | 106  | 99796    | 20.268  | ug/l   | 94       |
| 70) Styrene                   | 12.044 | 104  | 172795   | 20.702  | ug/l   | 95       |
| 71) Bromoform                 | 12.203 | 173  | 35094    | 20.102  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.325 | 105  | 263421   | 20.395  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 62356    | 19.232  | ug/l # | 84       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 54542    | 20.407  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 38951m   | 18.521  | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 62532    | 20.582  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.666 | 91   | 322442   | 20.401  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.751 | 91   | 183037   | 20.212  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 224349   | 20.527  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.373 | 75   | 17985    | 18.301  | ug/l # | 85       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 190146   | 20.375  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 191087   | 20.290  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 222330   | 20.568  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 284745   | 20.393  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 236154   | 20.291  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 122971   | 20.185  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.440 | 146  | 122343   | 20.024  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.696 | 91   | 214846   | 19.769  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.959 | 117  | 47090    | 20.232  | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 111527   | 20.495  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 8807     | 19.235  | ug/l   | 84       |
| 93) 1,2,4-Trichlorobenzene    | 15.001 | 180  | 61498    | 18.698  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.105 | 225  | 37566    | 19.616  | ug/l   | 98       |
| 95) Naphthalene               | 15.233 | 128  | 122431   | 18.625  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 54100    | 18.717  | ug/l   | 99       |

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ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1101SBS02

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 11/02/2022  
Supervised By :Mahesh Dadoda 11/02/2022

Quant Time: Nov 02 01:44:52 2022  
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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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