

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040423\  
 Data File : VY013191.D  
 Acq On : 04 Apr 2023 15:53  
 Operator : KP/MD  
 Sample : VY0404SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0404SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 04/05/2023  
 Supervised By :Mahesh Dadoda 04/05/2023

Quant Time: Apr 05 02:17:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y033023S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 03 13:40:57 2023  
 Response via : Initial Calibration

Supervised By :Mahesh  
 Dadoda  
 04/05/2023

| Compound                     | R.T.           | QIon | Response            | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|-------|----------|
| -----                        |                |      |                     |         |       |          |
| Internal Standards           |                |      |                     |         |       |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 127303              | 50.000  | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685          | 114  | 192091              | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.490         | 117  | 165646              | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422         | 152  | 87814               | 50.000  | ug/l  | 0.00     |
|                              |                |      |                     |         |       |          |
| System Monitoring Compounds  |                |      |                     |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 8.143          | 65   | 70346               | 51.419  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 102.840% |         |       |          |
| 35) Dibromofluoromethane     | 7.716          | 113  | 63419               | 50.538  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 101.080% |         |       |          |
| 50) Toluene-d8               | 10.179         | 98   | 239883              | 50.637  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 101.280% |         |       |          |
| 62) 4-Bromofluorobenzene     | 12.477         | 95   | 79319               | 51.439  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 102.880% |         |       |          |
|                              |                |      |                     |         |       |          |
| Target Compounds             |                |      |                     |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.900          | 85   | 25881               | 20.739  | ug/l  | 100      |
| 3) Chloromethane             | 2.113          | 50   | 24715               | 18.991  | ug/l  | 99       |
| 4) Vinyl Chloride            | 2.247          | 62   | 24660               | 18.900  | ug/l  | 100      |
| 5) Bromomethane              | 2.638          | 94   | 17112               | 18.583  | ug/l  | 96       |
| 6) Chloroethane              | 2.790          | 64   | 15408               | 18.852  | ug/l  | 96       |
| 7) Trichlorofluoromethane    | 3.119          | 101  | 42933               | 18.488  | ug/l  | 99       |
| 8) Diethyl Ether             | 3.522          | 74   | 15148               | 20.773  | ug/l  | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 3.899          | 101  | 26212               | 20.473  | ug/l  | 98       |
| 10) Methyl Iodide            | 4.082          | 142  | 31597               | 18.952  | ug/l  | 98       |
| 11) Tert butyl alcohol       | 4.948          | 59   | 16145               | 130.934 | ug/l  | 97       |
| 12) 1,1-Dichloroethene       | 3.869          | 96   | 24529               | 19.819  | ug/l  | 95       |
| 13) Acrolein                 | 3.729          | 56   | 16790               | 97.030  | ug/l  | 99       |
| 14) Allyl chloride           | 4.473          | 41   | 43138               | 20.456  | ug/l  | 98       |
| 15) Acrylonitrile            | 5.155          | 53   | 40197               | 110.932 | ug/l  | 99       |
| 16) Acetone                  | 3.948          | 43   | 42398               | 101.347 | ug/l  | 97       |
| 17) Carbon Disulfide         | 4.186          | 76   | 74063               | 17.969  | ug/l  | 99       |
| 18) Methyl Acetate           | 4.473          | 43   | 29648               | 22.492  | ug/l  | 98       |
| 19) Methyl tert-butyl Ether  | 5.216          | 73   | 67796               | 21.617  | ug/l  | 99       |
| 20) Methylene Chloride       | 4.716          | 84   | 38102               | 23.541  | ug/l  | 94       |
| 21) trans-1,2-Dichloroethene | 5.216          | 96   | 28029               | 20.100  | ug/l  | 96       |
| 22) Diisopropyl ether        | 6.112          | 45   | 87790               | 21.308  | ug/l  | 95       |
| 23) Vinyl Acetate            | 6.058          | 43   | 253160              | 108.054 | ug/l  | 97       |
| 24) 1,1-Dichloroethane       | 6.015          | 63   | 49865               | 20.436  | ug/l  | 99       |
| 25) 2-Butanone               | 6.978          | 43   | 58394               | 111.631 | ug/l  | 97       |
| 26) 2,2-Dichloropropane      | 6.978          | 77   | 45927               | 20.926  | ug/l  | 98       |
| 27) cis-1,2-Dichloroethene   | 6.978          | 96   | 30616               | 20.379  | ug/l  | 98       |
| 28) Bromochloromethane       | 7.326          | 49   | 20521               | 19.600  | ug/l  | 96       |
| 29) Tetrahydrofuran          | 7.344          | 42   | 35339               | 114.123 | ug/l  | 98       |
| 30) Chloroform               | 7.503          | 83   | 51284               | 20.296  | ug/l  | 100      |
| 31) Cyclohexane              | 7.783          | 56   | 44049               | 19.722  | ug/l  | 92       |
| 32) 1,1,1-Trichloroethane    | 7.698          | 97   | 46642               | 20.878  | ug/l  | 99       |
| 36) 1,1-Dichloropropene      | 7.911          | 75   | 38837               | 20.558  | ug/l  | 99       |
| 37) Ethyl Acetate            | 7.070          | 43   | 24769               | 23.081  | ug/l  | 98       |
| 38) Carbon Tetrachloride     | 7.899          | 117  | 43534               | 20.886  | ug/l  | 95       |
| 39) Methylcyclohexane        | 9.179          | 83   | 44393               | 20.030  | ug/l  | 98       |
| 40) Benzene                  | 8.161          | 78   | 113444              | 20.791  | ug/l  | 98       |

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Supervised By :Mahesh  
 Dadoda  
 04/05/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.314  | 41   | 11646m   | 24.462  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 35980    | 21.523  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 43976    | 22.893  | ug/l   | 99       |
| 44) Trichloroethene           | 8.941  | 130  | 31404    | 20.908  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.210  | 63   | 28121    | 20.582  | ug/l   | 98       |
| 46) Dibromomethane            | 9.301  | 93   | 16438    | 20.943  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.496  | 83   | 40094    | 21.171  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.289  | 41   | 19673    | 21.990  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 4310     | 461.586 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 116988   | 112.848 | ug/l   | 99       |
| 52) Toluene                   | 10.240 | 92   | 70596    | 20.858  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 40897    | 21.127  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 45814    | 20.723  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 22977    | 21.178  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 29774    | 21.827  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 39162    | 21.382  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 69778    | 109.400 | ug/l   | 96       |
| 59) 2-Hexanone                | 10.831 | 43   | 84226    | 112.338 | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.984 | 129  | 29806    | 21.873  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 22604    | 21.503  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.715 | 164  | 28625    | 22.478  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.514 | 112  | 73082    | 20.782  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 28877    | 21.904  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 130343   | 21.461  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.703 | 106  | 103601   | 44.096  | ug/l   | 100      |
| 69) o-Xylene                  | 12.026 | 106  | 46986    | 21.561  | ug/l   | 98       |
| 70) Styrene                   | 12.044 | 104  | 80020    | 21.951  | ug/l   | 99       |
| 71) Bromoform                 | 12.203 | 173  | 18535    | 22.673  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.325 | 105  | 128357   | 21.175  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 37354    | 22.444  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 27863    | 21.944  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 20902m   | 21.188  | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 31596    | 20.966  | ug/l   | 96       |
| 78) n-propylbenzene           | 12.666 | 91   | 157170   | 21.088  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.752 | 91   | 88736    | 20.982  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.813 | 105  | 109753   | 21.657  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 9669     | 21.858  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 92845    | 21.094  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 95638    | 21.971  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 107812   | 21.723  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.251 | 105  | 137246   | 20.882  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 112333   | 20.761  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 59290    | 19.847  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 62913    | 21.016  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.697 | 91   | 110412   | 21.829  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.959 | 117  | 24490    | 21.727  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 59481    | 22.294  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 5087     | 24.077  | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 37471    | 24.084  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 23524    | 24.584  | ug/l   | 99       |
| 95) Naphthalene               | 15.233 | 128  | 71025    | 23.391  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 32960    | 24.045  | ug/l   | 98       |

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

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