

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081523\  
 Data File : VY015117.D  
 Acq On : 15 Aug 2023 20:38  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Romaben  
 Patel

Quant Time: Aug 16 02:09:48 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 14 12:43:26 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min)   |
|------------------------------|--------|-------|----------|-----------|------------|------------|
| -----                        |        |       |          |           |            |            |
| Internal Standards           |        |       |          |           |            | 08/16/2023 |
| 1) Pentafluorobenzene        | 7.789  | 168   | 151712   | 50.000    | ug/l       | 0.00       |
| 34) 1,4-Difluorobenzene      | 8.691  | 114   | 262579   | 50.000    | ug/l       | 0.00       |
| 63) Chlorobenzene-d5         | 11.490 | 117   | 242018   | 50.000    | ug/l       | 0.00       |
| 72) 1,4-Dichlorobenzene-d4   | 13.422 | 152   | 121968   | 50.000    | ug/l       | 0.00       |
| System Monitoring Compounds  |        |       |          |           |            | 08/16/2023 |
| 33) 1,2-Dichloroethane-d4    | 8.143  | 65    | 118112   | 64.855    | ug/l       | 0.00       |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery  | = 129.720% |            |
| 35) Dibromofluoromethane     | 7.716  | 113   | 98781    | 58.476    | ug/l       | 0.00       |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery  | = 116.960% |            |
| 50) Toluene-d8               | 10.179 | 98    | 370935   | 58.987    | ug/l       | 0.00       |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery  | = 117.980% |            |
| 62) 4-Bromofluorobenzene     | 12.483 | 95    | 133556   | 58.148    | ug/l       | 0.00       |
| Spiked Amount                | 50.000 | Range | 30 - 143 | Recovery  | = 116.300% |            |
| Target Compounds             |        |       |          |           |            | Qvalue     |
| 2) Dichlorodifluoromethane   | 1.906  | 85    | 37981    | 59.406    | ug/l       | 97         |
| 3) Chloromethane             | 2.113  | 50    | 53098    | 59.316    | ug/l       | 99         |
| 4) Vinyl Chloride            | 2.247  | 62    | 72135    | 59.753    | ug/l       | 97         |
| 5) Bromomethane              | 2.638  | 94    | 46863    | 56.444    | ug/l       | 100        |
| 6) Chloroethane              | 2.784  | 64    | 56329    | 64.267    | ug/l       | 96         |
| 7) Trichlorofluoromethane    | 3.119  | 101   | 117169   | 57.600    | ug/l       | 100        |
| 8) Diethyl Ether             | 3.534  | 74    | 49986    | 62.657    | ug/l       | 86         |
| 9) 1,1,2-Trichlorotrifluo... | 3.893  | 101   | 67930    | 53.732    | ug/l       | 97         |
| 10) Methyl Iodide            | 4.088  | 142   | 59031    | 47.552    | ug/l       | 98         |
| 11) Tert butyl alcohol       | 4.960  | 59    | 93951    | 317.734   | ug/l #     | 84         |
| 12) 1,1-Dichloroethene       | 3.869  | 96    | 60900    | 57.688    | ug/l       | 92         |
| 13) Acrolein                 | 3.735  | 56    | 52       | Below Cal | #          | 14         |
| 14) Allyl chloride           | 4.479  | 41    | 75986    | 40.598    | ug/l       | 95         |
| 15) Acrylonitrile            | 5.222  | 53    | 5200m    | 9.618     | ug/l       |            |
| 16) Acetone                  | 3.948  | 43    | 146830   | 246.796   | ug/l       | 92         |
| 17) Carbon Disulfide         | 4.192  | 76    | 119872   | 64.522    | ug/l       | 100        |
| 18) Methyl Acetate           | 4.473  | 43    | 587584   | 269.506   | ug/l       | 91         |
| 19) Methyl tert-butyl Ether  | 5.222  | 73    | 272360   | 60.677    | ug/l       | 99         |
| 20) Methylene Chloride       | 4.716  | 84    | 103264   | 74.509    | ug/l       | 88         |
| 21) trans-1,2-Dichloroethene | 5.222  | 96    | 70955    | 59.587    | ug/l       | 93         |
| 22) Diisopropyl ether        | 6.119  | 45    | 261167   | 55.921    | ug/l #     | 86         |
| 23) Vinyl Acetate            | 6.119  | 43    | 147105   | 52.787    | ug/l #     | 75         |
| 24) 1,1-Dichloroethane       | 6.015  | 63    | 145806   | 57.666    | ug/l       | 97         |
| 25) 2-Butanone               | 6.984  | 43    | 123737   | 146.890   | ug/l       | 94         |
| 26) 2,2-Dichloropropane      | 6.984  | 77    | 21476    | 8.811     | ug/l #     | 71         |
| 27) cis-1,2-Dichloroethene   | 6.984  | 96    | 96725    | 59.464    | ug/l       | 84         |
| 28) Bromochloromethane       | 7.332  | 49    | 135068   | 116.272   | ug/l       | 86         |
| 29) Tetrahydrofuran          | 7.350  | 42    | 152543   | 302.848   | ug/l       | 89         |
| 30) Chloroform               | 7.509  | 83    | 169081   | 59.652    | ug/l       | 98         |
| 31) Cyclohexane              | 7.789  | 56    | 94464    | 58.505    | ug/l       | 89         |
| 32) 1,1,1-Trichloroethane    | 7.704  | 97    | 140660   | 58.317    | ug/l       | 99         |
| 36) 1,1-Dichloropropene      | 7.917  | 75    | 101045   | 54.068    | ug/l       | 99         |
| 37) Ethyl Acetate            | 7.076  | 43    | 30528    | 17.525    | ug/l       | 97         |
| 38) Carbon Tetrachloride     | 7.899  | 117   | 119969   | 54.241    | ug/l       | 98         |
| 39) Methylcyclohexane        | 9.185  | 83    | 112304   | 53.604    | ug/l       | 94         |
| 40) Benzene                  | 8.161  | 78    | 317449   | 56.183    | ug/l       | 99         |

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| Compound                      | R.T.   | QIon | Response | Conc     | Units | Dev(Min) |     |
|-------------------------------|--------|------|----------|----------|-------|----------|-----|
| 41) Methacrylonitrile         | 7.350  | 41   | 95578    | 106.403  | ug/l  | #        | 39  |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 118606   | 57.800   | ug/l  |          | 95  |
| 43) Isopropyl Acetate         | 8.277  | 43   | 97047    | 30.592   | ug/l  | #        | 90  |
| 44) Trichloroethene           | 8.941  | 130  | 114747   | 70.492   | ug/l  |          | 97  |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 88462    | 55.522   | ug/l  |          | 96  |
| 46) Dibromomethane            | 9.307  | 93   | 60842    | 60.546   | ug/l  |          | 98  |
| 47) Bromodichloromethane      | 9.496  | 83   | 138299   | 57.674   | ug/l  |          | 97  |
| 48) Methyl methacrylate       | 9.295  | 41   | 97952    | 72.181   | ug/l  |          | 92  |
| 49) 1,4-Dioxane               | 9.301  | 88   | 23971    | 1192.922 | ug/l  | #        | 57  |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 431658   | 234.784  | ug/l  |          | 93  |
| 52) Toluene                   | 10.246 | 92   | 209614   | 56.285   | ug/l  |          | 95  |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 77221    | 30.642   | ug/l  |          | 95  |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 87182    | 32.849   | ug/l  |          | 92  |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 88016    | 57.604   | ug/l  |          | 96  |
| 56) Ethyl methacrylate        | 10.508 | 69   | 83565    | 37.370   | ug/l  |          | 91  |
| 57) 1,3-Dichloropropane       | 10.789 | 76   | 145617   | 58.332   | ug/l  |          | 98  |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 303173   | 291.331  | ug/l  |          | 92  |
| 59) 2-Hexanone                | 10.831 | 43   | 199441   | 146.571  | ug/l  |          | 93  |
| 60) Dibromochloromethane      | 10.984 | 129  | 107947   | 59.226   | ug/l  |          | 99  |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 85814    | 59.121   | ug/l  |          | 99  |
| 64) Tetrachloroethene         | 10.721 | 164  | 135772   | 80.523   | ug/l  |          | 95  |
| 65) Chlorobenzene             | 11.514 | 112  | 244159   | 55.370   | ug/l  |          | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 101896   | 56.950   | ug/l  |          | 99  |
| 67) Ethyl Benzene             | 11.593 | 91   | 413183   | 53.479   | ug/l  |          | 97  |
| 68) m/p-Xylenes               | 11.703 | 106  | 313921   | 106.981  | ug/l  |          | 96  |
| 69) o-Xylene                  | 12.026 | 106  | 160080   | 54.762   | ug/l  |          | 98  |
| 70) Styrene                   | 12.044 | 104  | 268739   | 53.118   | ug/l  |          | 97  |
| 71) Bromoform                 | 12.209 | 173  | 76408    | 58.910   | ug/l  | #        | 99  |
| 73) Isopropylbenzene          | 12.331 | 105  | 416120   | 53.057   | ug/l  |          | 100 |
| 74) N-amyl acetate            | 12.142 | 43   | 24286    | 8.576    | ug/l  |          | 93  |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 88340    | 43.248   | ug/l  |          | 99  |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 86682m   | 58.497   | ug/l  |          |     |
| 77) Bromobenzene              | 12.605 | 156  | 108493   | 56.751   | ug/l  |          | 97  |
| 78) n-propylbenzene           | 12.672 | 91   | 479793   | 51.516   | ug/l  |          | 99  |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 289274   | 53.841   | ug/l  |          | 99  |
| 80) 1,3,5-Trimethylbenzene    | 12.813 | 105  | 348165   | 53.255   | ug/l  |          | 98  |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 9252     | 13.714   | ug/l  |          | 99  |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 294671   | 53.087   | ug/l  |          | 98  |
| 83) tert-Butylbenzene         | 13.075 | 119  | 314436   | 52.583   | ug/l  |          | 99  |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 351204   | 53.760   | ug/l  |          | 99  |
| 85) sec-Butylbenzene          | 13.251 | 105  | 454942   | 51.924   | ug/l  |          | 99  |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 365876   | 50.367   | ug/l  |          | 98  |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 204018   | 53.805   | ug/l  |          | 99  |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 203863   | 53.603   | ug/l  |          | 99  |
| 89) n-Butylbenzene            | 13.697 | 91   | 315509   | 46.065   | ug/l  |          | 96  |
| 90) Hexachloroethane          | 13.959 | 117  | 76704    | 53.226   | ug/l  |          | 92  |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 199793   | 56.402   | ug/l  |          | 99  |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 23123    | 58.436   | ug/l  |          | 89  |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 115014   | 50.575   | ug/l  |          | 97  |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 58256    | 47.094   | ug/l  |          | 98  |
| 95) Naphthalene               | 15.233 | 128  | 327269   | 57.770   | ug/l  |          | 99  |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 112961   | 55.001   | ug/l  |          | 99  |

08/16/2023  
 Supervised By :Mahesh  
 Dadoda

08/16/2023

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

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