

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092822\  
 Data File : VY010707.D  
 Acq On : 28 Sep 2022 11:42  
 Operator : KP/MD  
 Sample : VY0928SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0928SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 09/29/2022  
 Supervised By :Mahesh Dadoda 09/30/2022

Quant Time: Sep 29 01:11:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091922S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 20 01:02:44 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 236806              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685          | 114  | 386372              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.490         | 117  | 348107              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422         | 152  | 171772              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.137          | 65   | 118728              | 52.419  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 104.840% |         |        |          |
| 35) Dibromofluoromethane     | 7.716          | 113  | 108030              | 43.811  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 87.620%  |         |        |          |
| 50) Toluene-d8               | 10.179         | 98   | 424630              | 46.808  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 93.620%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.477         | 95   | 141456              | 41.358  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 82.720%  |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.900          | 85   | 24968               | 19.173  | ug/l   | 98       |
| 3) Chloromethane             | 2.113          | 50   | 39940               | 22.253  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.247          | 62   | 47082               | 20.362  | ug/l   | 100      |
| 5) Bromomethane              | 2.638          | 94   | 32436               | 19.930  | ug/l   | 98       |
| 6) Chloroethane              | 2.784          | 64   | 33467               | 20.062  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.119          | 101  | 63046               | 20.262  | ug/l   | 94       |
| 8) Diethyl Ether             | 3.528          | 74   | 20916               | 19.605  | ug/l   | 84       |
| 9) 1,1,2-Trichlorotrifluo... | 3.893          | 101  | 36844               | 19.675  | ug/l   | 95       |
| 10) Methyl Iodide            | 4.082          | 142  | 38650               | 17.866  | ug/l   | 94       |
| 11) Tert butyl alcohol       | 4.948          | 59   | 23897               | 111.730 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 3.869          | 96   | 32334               | 19.336  | ug/l   | 94       |
| 13) Acrolein                 | 3.723          | 56   | 7841                | 74.418  | ug/l   | 96       |
| 14) Allyl chloride           | 4.473          | 41   | 53801               | 21.341  | ug/l # | 95       |
| 15) Acrylonitrile            | 5.155          | 53   | 58758               | 106.113 | ug/l   | 99       |
| 16) Acetone                  | 3.942          | 43   | 52317               | 113.267 | ug/l # | 88       |
| 17) Carbon Disulfide         | 4.186          | 76   | 80937               | 22.231  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.473          | 43   | 34882               | 25.692  | ug/l   | 92       |
| 19) Methyl tert-butyl Ether  | 5.222          | 73   | 98812               | 18.954  | ug/l   | 97       |
| 20) Methylene Chloride       | 4.716          | 84   | 60042               | 16.460  | ug/l # | 86       |
| 21) trans-1,2-Dichloroethene | 5.216          | 96   | 37344               | 19.846  | ug/l   | 92       |
| 22) Diisopropyl ether        | 6.119          | 45   | 125455              | 21.082  | ug/l   | 95       |
| 23) Vinyl Acetate            | 6.058          | 43   | 355148              | 101.024 | ug/l # | 94       |
| 24) 1,1-Dichloroethane       | 6.015          | 63   | 74261               | 20.792  | ug/l   | 99       |
| 25) 2-Butanone               | 6.984          | 43   | 77679               | 107.519 | ug/l # | 85       |
| 26) 2,2-Dichloropropane      | 6.978          | 77   | 66586               | 19.387  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 6.984          | 96   | 45391               | 19.362  | ug/l   | 93       |
| 28) Bromochloromethane       | 7.332          | 49   | 19315               | 15.449  | ug/l   | 95       |
| 29) Tetrahydrofuran          | 7.344          | 42   | 47439               | 106.907 | ug/l # | 88       |
| 30) Chloroform               | 7.502          | 83   | 77595               | 20.081  | ug/l   | 97       |
| 31) Cyclohexane              | 7.783          | 56   | 60471               | 21.739  | ug/l # | 83       |
| 32) 1,1,1-Trichloroethane    | 7.698          | 97   | 67229               | 19.549  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 7.911          | 75   | 54018               | 19.661  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.070          | 43   | 32964               | 20.772  | ug/l   | 95       |
| 38) Carbon Tetrachloride     | 7.899          | 117  | 60146               | 19.039  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.179          | 83   | 60762               | 18.895  | ug/l   | 95       |
| 40) Benzene                  | 8.155          | 78   | 160634              | 19.612  | ug/l   | 96       |

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 Sample : VY0928SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0928SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 09/29/2022  
 Supervised By :Mahesh Dadoda 09/30/2022

Quant Time: Sep 29 01:11:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091922S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 20 01:02:44 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.307  | 41   | 15261m   | 18.854  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 51122    | 20.269  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 57160    | 19.650  | ug/l   | 92       |
| 44) Trichloroethene           | 8.935  | 130  | 42838    | 18.270  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.210  | 63   | 42316    | 19.971  | ug/l   | 96       |
| 46) Dibromomethane            | 9.301  | 93   | 23810    | 19.135  | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.496  | 83   | 59721    | 19.438  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.289  | 41   | 25262    | 19.673  | ug/l # | 86       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 6908     | 377.542 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 165677   | 100.880 | ug/l   | 92       |
| 52) Toluene                   | 10.240 | 92   | 102130   | 19.057  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 58276    | 18.759  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 66679    | 19.252  | ug/l # | 84       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 34553    | 18.879  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 42684    | 18.002  | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 58267    | 19.219  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 90187    | 82.163  | ug/l   | 97       |
| 59) 2-Hexanone                | 10.831 | 43   | 112970   | 101.486 | ug/l   | 91       |
| 60) Dibromochloromethane      | 10.984 | 129  | 41816    | 18.670  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 31477    | 18.370  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.715 | 164  | 40737    | 17.518  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.514 | 112  | 110939   | 18.430  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 43116    | 18.385  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.587 | 91   | 194559   | 18.406  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.703 | 106  | 150535   | 36.762  | ug/l   | 96       |
| 69) o-Xylene                  | 12.026 | 106  | 71579    | 17.929  | ug/l   | 94       |
| 70) Styrene                   | 12.044 | 104  | 125381   | 18.487  | ug/l   | 94       |
| 71) Bromoform                 | 12.209 | 173  | 26194    | 17.988  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.325 | 105  | 190467   | 17.942  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 47024    | 18.267  | ug/l # | 88       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 40996    | 18.951  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 29908m   | 18.243  | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 44829    | 17.748  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.666 | 91   | 233262   | 18.447  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.752 | 91   | 132613   | 18.406  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.813 | 105  | 164412   | 18.330  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.374 | 75   | 13369    | 18.131  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 135632   | 18.230  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 139314   | 17.366  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 163864   | 18.389  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.251 | 105  | 211897   | 18.036  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 174294   | 17.752  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 89188    | 17.397  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.440 | 146  | 89685    | 17.675  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.697 | 91   | 161140   | 17.879  | ug/l   | 100      |
| 90) Hexachloroethane          | 13.959 | 117  | 35396    | 18.777  | ug/l   | 86       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 80837    | 17.701  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 6837     | 18.940  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 15.001 | 180  | 42738    | 15.341  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 26637    | 15.731  | ug/l   | 98       |
| 95) Naphthalene               | 15.233 | 128  | 83311    | 14.841  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 36350    | 14.985  | ug/l   | 98       |

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ClientSampleId :  
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Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 09/29/2022  
Supervised By :Mahesh Dadoda 09/30/2022

Quant Time: Sep 29 01:11:34 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091922S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 20 01:02:44 2022  
Response via : Initial Calibration

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

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

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