

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102022\  
 Data File : VY011024.D  
 Acq On : 20 Oct 2022 14:50  
 Operator : KP/MD  
 Sample : N4955-01 2.5PPB  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2022

Quant Time: Oct 20 22:23:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 18 01:42:42 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 10/21/2022  
 Supervised By :Mahesh Dadoda 10/21/2022

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 249437              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691          | 114  | 419058              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.489         | 117  | 373609              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422         | 152  | 178125              | 50.000 | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.142          | 65   | 115983              | 50.478 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 100.960% |        |        |          |
| 35) Dibromofluoromethane     | 7.716          | 113  | 118407              | 50.720 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 101.440% |        |        |          |
| 50) Toluene-d8               | 10.179         | 98   | 409536              | 46.804 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 93.600%  |        |        |          |
| 62) 4-Bromofluorobenzene     | 12.483         | 95   | 147296              | 47.361 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 94.720%  |        |        |          |
| Target Compounds             |                |      |                     |        |        |          |
|                              |                |      |                     |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.906          | 85   | 5597                | 3.383  | ug/l   | 97       |
| 3) Chloromethane             | 2.113          | 50   | 7700                | 3.244  | ug/l   | 94       |
| 4) Vinyl Chloride            | 2.247          | 62   | 8434                | 3.135  | ug/l   | 96       |
| 5) Bromomethane              | 2.650          | 94   | 7185                | 3.861  | ug/l   | 98       |
| 6) Chloroethane              | 2.790          | 64   | 5757                | 3.202  | ug/l   | 92       |
| 7) Trichlorofluoromethane    | 3.125          | 101  | 12444               | 3.160  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.521          | 74   | 4368                | 2.972  | ug/l   | 84       |
| 9) 1,1,2-Trichlorotrifluo... | 3.893          | 101  | 7621                | 3.085  | ug/l   | 96       |
| 10) Methyl Iodide            | 4.088          | 142  | 7868                | 2.603  | ug/l   | 89       |
| 11) Tert butyl alcohol       | 4.954          | 59   | 6164                | 2.334  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 3.875          | 96   | 7121                | 3.009  | ug/l   | 89       |
| 13) Acrolein                 | 3.729          | 56   | 4378                | 11.819 | ug/l   | 95       |
| 14) Allyl chloride           | 4.472          | 41   | 10919               | 2.910  | ug/l # | 85       |
| 15) Acrylonitrile            | 5.161          | 53   | 11863               | 15.487 | ug/l   | 96       |
| 16) Acetone                  | 3.942          | 43   | 12877               | 19.299 | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.192          | 76   | 20424               | 2.944  | ug/l   | 98       |
| 18) Methyl Acetate           | 4.478          | 43   | 9798                | 2.545  | ug/l   | 91       |
| 19) Methyl tert-butyl Ether  | 5.222          | 73   | 19337               | 2.925  | ug/l   | 97       |
| 20) Methylene Chloride       | 4.716          | 84   | 32440               | 5.539  | ug/l # | 84       |
| 21) trans-1,2-Dichloroethene | 5.210          | 96   | 8048                | 3.013  | ug/l # | 77       |
| 22) Diisopropyl ether        | 6.118          | 45   | 21660               | 2.695  | ug/l # | 90       |
| 23) Vinyl Acetate            | 6.057          | 43   | 55921               | 11.637 | ug/l # | 94       |
| 24) 1,1-Dichloroethane       | 6.009          | 63   | 14941               | 3.079  | ug/l   | 96       |
| 25) 2-Butanone               | 6.984          | 43   | 19436               | 19.208 | ug/l # | 88       |
| 26) 2,2-Dichloropropane      | 6.978          | 77   | 18529               | 4.300  | ug/l   | 89       |
| 27) cis-1,2-Dichloroethene   | 6.984          | 96   | 9122                | 2.963  | ug/l   | 89       |
| 28) Bromochloromethane       | 7.332          | 49   | 4712                | 6.068  | ug/l # | 90       |
| 29) Tetrahydrofuran          | 7.350          | 42   | 9572                | 15.375 | ug/l # | 87       |
| 30) Chloroform               | 7.502          | 83   | 15031               | 3.073  | ug/l   | 100      |
| 31) Cyclohexane              | 7.783          | 56   | 16458               | 3.743  | ug/l # | 52       |
| 32) 1,1,1-Trichloroethane    | 7.697          | 97   | 12918               | 3.005  | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 7.917          | 75   | 10935               | 2.803  | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.076          | 43   | 6695                | 3.100  | ug/l # | 93       |
| 38) Carbon Tetrachloride     | 7.905          | 117  | 11640               | 2.891  | ug/l   | 92       |
| 39) Methylcyclohexane        | 9.179          | 83   | 13083               | 2.800  | ug/l   | 88       |
| 40) Benzene                  | 8.161          | 78   | 33522               | 2.929  | ug/l   | 95       |

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 Sample : N4955-01 2.5PPB  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2022

Quant Time: Oct 20 22:23:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 18 01:42:42 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 10/21/2022  
 Supervised By :Mahesh Dadoda 10/21/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.313  | 41   | 3144m    | 2.686  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 9929     | 3.131  | ug/l   | 91       |
| 43) Isopropyl Acetate         | 8.277  | 43   | 11164    | 2.893  | ug/l # | 88       |
| 44) Trichloroethene           | 8.941  | 130  | 9007     | 2.904  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 8297     | 2.857  | ug/l   | 93       |
| 46) Dibromomethane            | 9.301  | 93   | 4912     | 3.033  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.496  | 83   | 11638    | 2.982  | ug/l   | 93       |
| 48) Methyl methacrylate       | 9.295  | 41   | 5296     | 3.067  | ug/l # | 85       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 1407     | 60.457 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 31814    | 14.783 | ug/l   | 89       |
| 52) Toluene                   | 10.246 | 92   | 20816    | 2.927  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 11855    | 2.923  | ug/l   | 92       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 13169    | 2.838  | ug/l # | 84       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 7317     | 3.131  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 8185     | 2.637  | ug/l # | 85       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 12306    | 3.063  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 18145    | 27.975 | ug/l   | 97       |
| 59) 2-Hexanone                | 10.831 | 43   | 22162    | 14.992 | ug/l   | 89       |
| 60) Dibromochloromethane      | 10.983 | 129  | 8447     | 3.040  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 6626     | 2.961  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.715 | 164  | 9311     | 3.201  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.514 | 112  | 23218    | 3.027  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 8339     | 2.937  | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.593 | 91   | 38397    | 2.830  | ug/l   | 93       |
| 68) m/p-Xylenes               | 11.703 | 106  | 28700    | 5.498  | ug/l   | 94       |
| 69) o-Xylene                  | 12.026 | 106  | 14036    | 2.832  | ug/l   | 89       |
| 70) Styrene                   | 12.044 | 104  | 22411    | 2.668  | ug/l   | 94       |
| 71) Bromoform                 | 12.209 | 173  | 5450     | 3.110  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 35137    | 2.715  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 8326     | 2.536  | ug/l # | 82       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 9522     | 3.506  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 12.629 | 75   | 7121m    | 3.521  | ug/l   |          |
| 77) Bromobenzene              | 12.611 | 156  | 9333     | 3.085  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.672 | 91   | 44904    | 2.852  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.757 | 91   | 25822    | 2.912  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 30050    | 2.783  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 2933     | 3.119  | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 26409    | 2.860  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 25918    | 2.776  | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 28578    | 2.684  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 38990    | 2.779  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 30426    | 2.614  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 17839    | 2.955  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 18222    | 3.036  | ug/l   | 89       |
| 89) n-Butylbenzene            | 13.696 | 91   | 29372    | 2.700  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.958 | 117  | 6822     | 2.970  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 16179    | 2.995  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 1577     | 3.512  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 8878     | 2.750  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 5821     | 3.063  | ug/l   | 97       |
| 95) Naphthalene               | 15.233 | 128  | 17652    | 2.685  | ug/l   | 96       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 7844     | 2.785  | ug/l   | 99       |

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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 10/21/2022  
Supervised By :Mahesh Dadoda 10/21/2022

Quant Time: Oct 20 22:23:28 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 18 01:42:42 2022  
Response via : Initial Calibration

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

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

