

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011123\  
 Data File : VY012153.D  
 Acq On : 11 Jan 2023 11:12  
 Operator : KP/MD  
 Sample : VY0111SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0111SBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 01/12/2023  
 Supervised By :Mahesh Dadoda 01/12/2023

Quant Time: Jan 11 11:46:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010623S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 07 01:46:48 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 158779     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691          | 114  | 237161     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.490         | 117  | 218830     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428         | 152  | 118584     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.143          | 65   | 86213      | 48.322   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 96.640%  |        |          |
| 35) Dibromofluoromethane     | 7.716          | 113  | 77788      | 49.902   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 99.800%  |        |          |
| 50) Toluene-d8               | 10.179         | 98   | 293161     | 47.648   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = | 95.300%  |        |          |
| 62) 4-Bromofluorobenzene     | 12.483         | 95   | 107830     | 50.139   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = | 100.280% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.906          | 85   | 31083      | 22.526   | ug/l   | 94       |
| 3) Chloromethane             | 2.113          | 50   | 27926      | 22.434   | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.253          | 62   | 32889      | 21.313   | ug/l   | 98       |
| 5) Bromomethane              | 2.644          | 94   | 26536      | 24.093   | ug/l   | 92       |
| 6) Chloroethane              | 2.796          | 64   | 22163      | 21.678   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.125          | 101  | 65385      | 21.268   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.528          | 74   | 18719      | 19.887   | ug/l   | 84       |
| 9) 1,1,2-Trichlorotrifluo... | 3.899          | 101  | 32306      | 20.410   | ug/l   | 94       |
| 10) Methyl Iodide            | 4.094          | 142  | 42833      | 19.961   | ug/l   | 95       |
| 11) Tert butyl alcohol       | 4.954          | 59   | 17833      | 60.463   | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 3.875          | 96   | 32122      | 20.700   | ug/l   | 96       |
| 13) Acrolein                 | 3.735          | 56   | 11908      | 109.886  | ug/l   | 99       |
| 14) Allyl chloride           | 4.485          | 41   | 40144      | 19.190   | ug/l # | 88       |
| 15) Acrylonitrile            | 5.161          | 53   | 43819      | 99.087   | ug/l   | 99       |
| 16) Acetone                  | 3.948          | 43   | 43994      | 104.823  | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.198          | 76   | 93116      | 22.266   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.479          | 43   | 22462      | 18.605   | ug/l # | 89       |
| 19) Methyl tert-butyl Ether  | 5.222          | 73   | 91368      | 20.004   | ug/l   | 96       |
| 20) Methylene Chloride       | 4.716          | 84   | 50109      | 25.320   | ug/l   | 86       |
| 21) trans-1,2-Dichloroethene | 5.222          | 96   | 36396      | 21.196   | ug/l   | 89       |
| 22) Diisopropyl ether        | 6.119          | 45   | 85936      | 19.969   | ug/l # | 89       |
| 23) Vinyl Acetate            | 6.064          | 43   | 255195     | 97.997   | ug/l # | 90       |
| 24) 1,1-Dichloroethane       | 6.015          | 63   | 57402      | 20.053   | ug/l   | 97       |
| 25) 2-Butanone               | 6.984          | 43   | 52798      | 95.349   | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 6.984          | 77   | 60810      | 19.692   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 6.984          | 96   | 39448      | 20.114   | ug/l   | 96       |
| 28) Bromochloromethane       | 7.338          | 49   | 13669      | 18.888   | ug/l # | 76       |
| 29) Tetrahydrofuran          | 7.344          | 42   | 31567      | 97.664   | ug/l # | 85       |
| 30) Chloroform               | 7.508          | 83   | 66847      | 20.487   | ug/l   | 96       |
| 31) Cyclohexane              | 7.783          | 56   | 50457      | 20.308   | ug/l # | 87       |
| 32) 1,1,1-Trichloroethane    | 7.704          | 97   | 65849      | 20.777   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.917          | 75   | 48196      | 20.379   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.076          | 43   | 24375      | 19.249   | ug/l # | 95       |
| 38) Carbon Tetrachloride     | 7.899          | 117  | 62602      | 20.855   | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.185          | 83   | 59650      | 21.114   | ug/l   | 97       |
| 40) Benzene                  | 8.161          | 78   | 142335     | 20.654   | ug/l   | 97       |

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 Sample : VY0111SBSD01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0111SBSD01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 01/12/2023  
 Supervised By :Mahesh Dadoda 01/12/2023

Quant Time: Jan 11 11:46:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010623S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 07 01:46:48 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.313  | 41   | 10934    | 15.876  | ug/l # | 100      |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 46321    | 21.230  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 39792    | 18.751  | ug/l # | 92       |
| 44) Trichloroethene           | 8.941  | 130  | 42401    | 21.071  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 30825    | 20.075  | ug/l   | 92       |
| 46) Dibromomethane            | 9.307  | 93   | 20310    | 21.011  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.496  | 83   | 50794    | 20.666  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.295  | 41   | 18634    | 19.603  | ug/l   | 88       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 5658     | 422.694 | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 109683   | 97.134  | ug/l   | 95       |
| 52) Toluene                   | 10.246 | 92   | 95427    | 20.920  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 52226    | 20.426  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 56267    | 20.341  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 29095    | 20.840  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 36965    | 20.212  | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 48030    | 20.846  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 68053    | 101.730 | ug/l   | 91       |
| 59) 2-Hexanone                | 10.831 | 43   | 80432    | 101.441 | ug/l   | 95       |
| 60) Dibromochloromethane      | 10.983 | 129  | 38793    | 21.074  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 27405    | 20.509  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.721 | 164  | 45507    | 21.228  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.520 | 112  | 102643   | 20.538  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 39492    | 20.467  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.593 | 91   | 182197   | 20.396  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 145981   | 41.665  | ug/l   | 99       |
| 69) o-Xylene                  | 12.032 | 106  | 68463    | 20.522  | ug/l   | 98       |
| 70) Styrene                   | 12.044 | 104  | 118343   | 20.884  | ug/l   | 99       |
| 71) Bromoform                 | 12.209 | 173  | 25070    | 20.449  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.331 | 105  | 185899   | 19.812  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 35084    | 18.111  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 30914    | 19.585  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 26210m   | 19.358  | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 44773    | 20.006  | ug/l   | 92       |
| 78) n-propylbenzene           | 12.672 | 91   | 220477   | 20.128  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 124618   | 19.888  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 163300   | 20.291  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 11985    | 19.658  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 131145   | 20.011  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 140094   | 19.867  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 163316   | 20.500  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 204982   | 20.224  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 179276   | 20.417  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 90152    | 20.096  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 89752    | 20.028  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.696 | 91   | 152527   | 20.045  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.959 | 117  | 32617    | 20.023  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 80222    | 20.073  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 5780     | 18.425  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 47351    | 19.004  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 30589    | 20.347  | ug/l   | 98       |
| 95) Naphthalene               | 15.233 | 128  | 91732    | 18.603  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 40745    | 18.808  | ug/l   | 99       |

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Sample : VY0111SBSD01  
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ALS Vial : 6 Sample Multiplier: 1

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ClientSampleId :  
VY0111SBSD01

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 01/12/2023  
Supervised By :Mahesh Dadoda 01/12/2023

Quant Time: Jan 11 11:46:18 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010623S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jan 07 01:46:48 2023  
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

