

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052224\  
 Data File : VY018348.D  
 Acq On : 22 May 2024 14:39  
 Operator : SY/MD  
 Sample : VSTDICC150  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 05/23/2024  
 Supervised By :Semsettin Yesilyurt 05/23/2024

Quant Time: May 23 01:38:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052224S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 23 01:32:36 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 7.777          | 168  | 153009               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685          | 114  | 247116               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.489         | 117  | 208941               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422         | 152  | 91763                | 50.000  | ug/l   | 0.00     |
|                              |                |      |                      |         |        |          |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.130          | 65   | 205404               | 141.694 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 283.380%# |         |        |          |
| 35) Dibromofluoromethane     | 7.710          | 113  | 222084               | 154.112 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 308.220%# |         |        |          |
| 50) Toluene-d8               | 10.173         | 98   | 855202               | 152.214 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 304.420%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.477         | 95   | 258140               | 148.694 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 297.380%# |         |        |          |
|                              |                |      |                      |         |        |          |
| Target Compounds             |                |      |                      |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.894          | 85   | 203325               | 155.690 | ug/l   | 99       |
| 3) Chloromethane             | 2.101          | 50   | 317711               | 149.700 | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.241          | 62   | 368333               | 155.136 | ug/l   | 98       |
| 5) Bromomethane              | 2.625          | 94   | 266309               | 156.884 | ug/l   | 98       |
| 6) Chloroethane              | 2.778          | 64   | 233481               | 151.493 | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.107          | 101  | 410322               | 153.997 | ug/l   | 97       |
| 8) Diethyl Ether             | 3.515          | 74   | 126804               | 149.044 | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 3.881          | 101  | 240850               | 146.522 | ug/l   | 98       |
| 10) Methyl Iodide            | 4.076          | 142  | 277223               | 167.698 | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.942          | 59   | 89190                | 759.505 | ug/l # | 83       |
| 12) 1,1-Dichloroethene       | 3.857          | 96   | 248475               | 153.478 | ug/l   | 99       |
| 13) Acrolein                 | 3.716          | 56   | 87729                | 763.366 | ug/l   | 98       |
| 14) Allyl chloride           | 4.460          | 41   | 324622               | 143.568 | ug/l   | 95       |
| 15) Acrylonitrile            | 5.143          | 53   | 256476               | 696.968 | ug/l   | 100      |
| 16) Acetone                  | 3.936          | 43   | 214743               | 720.241 | ug/l   | 92       |
| 17) Carbon Disulfide         | 4.180          | 76   | 730169               | 161.507 | ug/l   | 99       |
| 18) Methyl Acetate           | 4.460          | 43   | 106520               | 134.789 | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 5.204          | 73   | 561632               | 144.675 | ug/l   | 97       |
| 20) Methylene Chloride       | 4.704          | 84   | 241776               | 150.571 | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 5.204          | 96   | 260756               | 152.678 | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.106          | 45   | 669613               | 142.510 | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.045          | 43   | 2262204              | 751.893 | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 6.003          | 63   | 414837               | 143.961 | ug/l   | 99       |
| 25) 2-Butanone               | 6.972          | 43   | 342006               | 723.848 | ug/l # | 88       |
| 26) 2,2-Dichloropropane      | 6.966          | 77   | 368238               | 147.827 | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.972          | 96   | 299531               | 149.250 | ug/l   | 99       |
| 28) Bromochloromethane       | 7.326          | 49   | 131652               | 134.519 | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.338          | 42   | 215862               | 694.108 | ug/l   | 92       |
| 30) Chloroform               | 7.496          | 83   | 427690               | 145.615 | ug/l   | 99       |
| 31) Cyclohexane              | 7.777          | 56   | 375525               | 152.210 | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 7.691          | 97   | 396745               | 153.898 | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 7.911          | 75   | 326494               | 156.229 | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.063          | 43   | 151285               | 151.326 | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 7.893          | 117  | 359089               | 167.761 | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.179          | 83   | 460686               | 158.023 | ug/l   | 98       |
| 40) Benzene                  | 8.149          | 78   | 997265               | 156.536 | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052224\  
 Data File : VY018348.D  
 Acq On : 22 May 2024 14:39  
 Operator : SY/MD  
 Sample : VSTDICC150  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 05/23/2024  
 Supervised By :Semsettin Yesilyurt 05/23/2024

Quant Time: May 23 01:38:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052224S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 23 01:32:36 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.295  | 41   | 74200m   | 134.232  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.228  | 62   | 241812   | 157.793  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.264  | 43   | 305359   | 156.545  | ug/l   | 92       |
| 44) Trichloroethene           | 8.935  | 130  | 268519   | 164.433  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.209  | 63   | 218269   | 152.330  | ug/l   | 99       |
| 46) Dibromomethane            | 9.301  | 93   | 132251   | 157.294  | ug/l   | 100      |
| 47) Bromodichloromethane      | 9.490  | 83   | 322251   | 157.929  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.289  | 41   | 141093   | 159.908  | ug/l   | 88       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 33397    | 3061.476 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.063 | 43   | 786950   | 799.386  | ug/l   | 92       |
| 52) Toluene                   | 10.240 | 92   | 630486   | 157.872  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 305006   | 163.496  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 360144   | 157.550  | ug/l # | 91       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 173065   | 155.370  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.502 | 69   | 245502   | 160.682  | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 10.782 | 76   | 287295   | 152.172  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.776  | 63   | 510418   | 739.328  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.825 | 43   | 550541   | 812.740  | ug/l   | 91       |
| 60) Dibromochloromethane      | 10.983 | 129  | 226638   | 168.450  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 163220   | 158.806  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.715 | 164  | 239518   | 161.599  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.514 | 112  | 684189   | 158.518  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 228451   | 167.310  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.587 | 91   | 1220599  | 161.031  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.697 | 106  | 937605   | 321.485  | ug/l   | 99       |
| 69) o-Xylene                  | 12.026 | 106  | 434427   | 157.840  | ug/l   | 98       |
| 70) Styrene                   | 12.038 | 104  | 737611   | 162.124  | ug/l   | 98       |
| 71) Bromoform                 | 12.203 | 173  | 128145   | 177.432  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.325 | 105  | 1134234  | 157.262  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 276851   | 164.527  | ug/l # | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 185286   | 150.769  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.629 | 75   | 119083m  | 139.580  | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 254257   | 160.956  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.666 | 91   | 1329407  | 153.941  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.751 | 91   | 727534   | 155.609  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.806 | 105  | 892016   | 157.388  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.373 | 75   | 65883    | 164.359  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 732225   | 154.464  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.068 | 119  | 835237   | 159.427  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 884149   | 158.622  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.251 | 105  | 1185810  | 153.043  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 1003428  | 158.326  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 498897   | 160.387  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.440 | 146  | 479445   | 154.862  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.690 | 91   | 916926   | 153.955  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.958 | 117  | 192883   | 164.805  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.733 | 146  | 422852   | 156.664  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 27318    | 162.068  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.001 | 180  | 262975   | 171.048  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 135615   | 172.369  | ug/l   | 98       |
| 95) Naphthalene               | 15.233 | 128  | 530509   | 175.478  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 225641   | 172.627  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052224\  
Data File : VY018348.D  
Acq On : 22 May 2024 14:39  
Operator : SY/MD  
Sample : VSTDICC150  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 05/23/2024  
Supervised By :Semsettin Yesilyurt 05/23/2024

Quant Time: May 23 01:38:38 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052224S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 23 01:32:36 2024  
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052224\  
Data File : VY018348.D  
Acq On : 22 May 2024 14:39  
Operator : SY/MD  
Sample : VSTDICC150  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

## Instrument :

MSVOA\_Y

## ClientSampleId :

VSTDICC150

## Manual Integrations

## APPROVED

Reviewed By :Mahesh Dadoda 05/23/2024  
Supervised By :Semsettin Yesilyurt 05/23/2024

Quant Time: May 23 01:38:38 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052224S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 23 01:32:36 2024  
Response via : Initial Calibration

