

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051624\  
 Data File : VY018285.D  
 Acq On : 16 May 2024 14:07  
 Operator : SY/MD  
 Sample : VY0516SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0516SBS01

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2024  
 Supervised By :Mahesh Dadoda 05/17/2024

Quant Time: May 17 01:15:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050724S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 08 01:40:14 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.783          | 168  | 163348              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685          | 114  | 287843              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.490         | 117  | 247738              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422         | 152  | 112920              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.136          | 65   | 77062               | 64.127  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 128.260% |         |        |          |
| 35) Dibromofluoromethane     | 7.716          | 113  | 84323               | 55.742  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 111.480% |         |        |          |
| 50) Toluene-d8               | 10.179         | 98   | 328793              | 55.156  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 110.320% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.477         | 95   | 104328              | 54.193  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 108.380% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.900          | 85   | 26609               | 20.541  | ug/l   | 99       |
| 3) Chloromethane             | 2.107          | 50   | 42104               | 24.280  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.241          | 62   | 48255               | 22.956  | ug/l   | 95       |
| 5) Bromomethane              | 2.637          | 94   | 34677               | 23.753  | ug/l   | 97       |
| 6) Chloroethane              | 2.784          | 64   | 31769               | 23.813  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.119          | 101  | 52520               | 21.330  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.521          | 74   | 18475               | 22.793  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 3.887          | 101  | 31993               | 20.388  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.082          | 142  | 39261               | 21.426  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 4.942          | 59   | 24313               | 229.210 | ug/l # | 89       |
| 12) 1,1-Dichloroethene       | 3.857          | 96   | 33923               | 21.474  | ug/l   | 92       |
| 13) Acrolein                 | 3.723          | 56   | 18008               | 151.562 | ug/l   | 97       |
| 14) Allyl chloride           | 4.473          | 41   | 46812               | 23.294  | ug/l   | 97       |
| 15) Acrylonitrile            | 5.155          | 53   | 38822               | 124.545 | ug/l   | 97       |
| 16) Acetone                  | 3.936          | 43   | 32787               | 136.720 | ug/l   | 100      |
| 17) Carbon Disulfide         | 4.186          | 76   | 98185               | 22.831  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.466          | 43   | 17412               | 25.489  | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 5.210          | 73   | 84098               | 23.899  | ug/l   | 98       |
| 20) Methylene Chloride       | 4.704          | 84   | 44647               | 26.340  | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 5.210          | 96   | 36729               | 21.934  | ug/l   | 93       |
| 22) Diisopropyl ether        | 6.106          | 45   | 97161               | 22.791  | ug/l   | 92       |
| 23) Vinyl Acetate            | 6.051          | 43   | 319057              | 123.135 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.009          | 63   | 58111               | 22.131  | ug/l   | 97       |
| 25) 2-Butanone               | 6.972          | 43   | 51625               | 134.673 | ug/l   | 92       |
| 26) 2,2-Dichloropropane      | 6.972          | 77   | 51884               | 21.832  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 6.978          | 96   | 42959               | 21.708  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.332          | 49   | 20031               | 19.087  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.344          | 42   | 32580               | 128.756 | ug/l   | 95       |
| 30) Chloroform               | 7.496          | 83   | 59914               | 21.857  | ug/l   | 93       |
| 31) Cyclohexane              | 7.783          | 56   | 52293               | 21.124  | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 7.698          | 97   | 52397               | 21.327  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 7.911          | 75   | 44043               | 20.309  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.070          | 43   | 22392               | 24.532  | ug/l # | 93       |
| 38) Carbon Tetrachloride     | 7.899          | 117  | 46633               | 19.680  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.179          | 83   | 61790               | 19.750  | ug/l   | 99       |
| 40) Benzene                  | 8.155          | 78   | 142400              | 20.414  | ug/l   | 99       |

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 Sample : VY0516SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0516SBS01

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2024  
 Supervised By :Mahesh Dadoda 05/17/2024

Quant Time: May 17 01:15:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050724S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 08 01:40:14 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.295  | 41   | 11259m   | 21.361  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 35001    | 23.061  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 44438    | 23.752  | ug/l   | 95       |
| 44) Trichloroethene           | 8.935  | 130  | 38654    | 20.355  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.209  | 63   | 32255    | 21.150  | ug/l   | 91       |
| 46) Dibromomethane            | 9.301  | 93   | 19189    | 21.887  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.490  | 83   | 45573    | 21.026  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.289  | 41   | 19626    | 22.888  | ug/l   | 91       |
| 49) 1,4-Dioxane               | 9.289  | 88   | 5105     | 438.670 | ug/l # | 90       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 113666   | 120.879 | ug/l   | 96       |
| 52) Toluene                   | 10.240 | 92   | 92227    | 20.537  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 42010    | 20.751  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 51246    | 20.708  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 26297    | 21.834  | ug/l # | 94       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 35942    | 21.973  | ug/l # | 90       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 43448    | 22.166  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 83717    | 107.184 | ug/l   | 97       |
| 59) 2-Hexanone                | 10.831 | 43   | 79353    | 120.692 | ug/l   | 94       |
| 60) Dibromochloromethane      | 10.984 | 129  | 31538    | 20.183  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 24596    | 21.682  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.715 | 164  | 35132    | 21.299  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.514 | 112  | 101846   | 20.185  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 32422    | 19.865  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.593 | 91   | 172357   | 20.232  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 137431   | 40.793  | ug/l   | 95       |
| 69) o-Xylene                  | 12.026 | 106  | 65860    | 20.371  | ug/l   | 95       |
| 70) Styrene                   | 12.044 | 104  | 108233   | 20.046  | ug/l   | 98       |
| 71) Bromoform                 | 12.209 | 173  | 18499    | 20.485  | ug/l # | 92       |
| 73) Isopropylbenzene          | 12.331 | 105  | 163374   | 19.297  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.142 | 43   | 39157    | 22.280  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 27982    | 20.719  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 20043m   | 22.175  | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 37907    | 19.490  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.672 | 91   | 196817   | 19.986  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 106383   | 19.441  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 131895   | 19.757  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 9778     | 20.843  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 110184   | 20.045  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 122313   | 19.863  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 128978   | 19.723  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 177343   | 19.634  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 148110   | 19.933  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 73971    | 19.693  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 73243    | 20.002  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.696 | 91   | 134626   | 20.020  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.959 | 117  | 26617    | 18.259  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 66417    | 20.572  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 4453     | 24.215  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 37369    | 20.589  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 19643    | 19.615  | ug/l   | 98       |
| 95) Naphthalene               | 15.239 | 128  | 73889    | 22.217  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 31201    | 20.947  | ug/l   | 99       |

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Sample : VY0516SBSD01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0516SBSD01

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2024  
Supervised By :Mahesh Dadoda 05/17/2024

Quant Time: May 17 01:15:40 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050724S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 08 01:40:14 2024  
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

