

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052924\  
 Data File : VY018393.D  
 Acq On : 29 May 2024 12:40  
 Operator : SY/MD  
 Sample : VY0529SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0529SBS01

Quant Time: May 30 04:00:46 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052224S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 23 01:40:36 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/30/2024  
 Supervised By :Semsettin Yesilyurt 05/30/2024

| Compound                     | R.T.           | QIon | Response            | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|-------|----------|
| -----                        |                |      |                     |         |       |          |
| Internal Standards           |                |      |                     |         |       |          |
| 1) Pentafluorobenzene        | 7.783          | 168  | 124879              | 50.000  | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.685          | 114  | 225941              | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.490         | 117  | 195087              | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422         | 152  | 87589               | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 8.130          | 65   | 68924               | 58.256  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 116.520% |         |       |          |
| 35) Dibromofluoromethane     | 7.710          | 113  | 72264               | 54.846  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 109.700% |         |       |          |
| 50) Toluene-d8               | 10.179         | 98   | 284575              | 55.397  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 110.800% |         |       |          |
| 62) 4-Bromofluorobenzene     | 12.477         | 95   | 89779               | 56.561  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 113.120% |         |       |          |
| Target Compounds             |                |      |                     |         |       |          |
|                              |                |      |                     |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.900          | 85   | 19215               | 18.028  | ug/l  | 96       |
| 3) Chloromethane             | 2.107          | 50   | 32113               | 18.540  | ug/l  | 95       |
| 4) Vinyl Chloride            | 2.241          | 62   | 40942               | 21.128  | ug/l  | 94       |
| 5) Bromomethane              | 2.631          | 94   | 27164               | 19.607  | ug/l  | 94       |
| 6) Chloroethane              | 2.778          | 64   | 26429               | 21.011  | ug/l  | 97       |
| 7) Trichlorofluoromethane    | 3.113          | 101  | 44245               | 20.346  | ug/l  | 98       |
| 8) Diethyl Ether             | 3.522          | 74   | 14018               | 20.188  | ug/l  | 83       |
| 9) 1,1,2-Trichlorotrifluo... | 3.887          | 101  | 26757               | 19.944  | ug/l  | 93       |
| 10) Methyl Iodide            | 4.076          | 142  | 24039               | 17.817  | ug/l  | 96       |
| 11) Tert butyl alcohol       | 4.948          | 59   | 14058               | 103.317 | ug/l  | # 84     |
| 12) 1,1-Dichloroethene       | 3.863          | 96   | 25497               | 19.297  | ug/l  | 90       |
| 13) Acrolein                 | 3.717          | 56   | 11128               | 105.136 | ug/l  | 99       |
| 14) Allyl chloride           | 4.460          | 41   | 37595               | 20.372  | ug/l  | 96       |
| 15) Acrylonitrile            | 5.149          | 53   | 32461               | 108.082 | ug/l  | 96       |
| 16) Acetone                  | 3.936          | 43   | 26801               | 110.138 | ug/l  | 89       |
| 17) Carbon Disulfide         | 4.180          | 76   | 66256               | 17.956  | ug/l  | 99       |
| 18) Methyl Acetate           | 4.466          | 43   | 13894               | 21.542  | ug/l  | 95       |
| 19) Methyl tert-butyl Ether  | 5.204          | 73   | 68071               | 21.485  | ug/l  | 98       |
| 20) Methylene Chloride       | 4.710          | 84   | 38257               | 24.872  | ug/l  | 94       |
| 21) trans-1,2-Dichloroethene | 5.210          | 96   | 26753               | 19.193  | ug/l  | 99       |
| 22) Diisopropyl ether        | 6.113          | 45   | 88315               | 23.029  | ug/l  | 97       |
| 23) Vinyl Acetate            | 6.052          | 43   | 271261              | 110.469 | ug/l  | # 93     |
| 24) 1,1-Dichloroethane       | 6.009          | 63   | 50556               | 21.497  | ug/l  | 98       |
| 25) 2-Butanone               | 6.972          | 43   | 43531               | 112.886 | ug/l  | # 88     |
| 26) 2,2-Dichloropropane      | 6.972          | 77   | 43146               | 21.222  | ug/l  | 98       |
| 27) cis-1,2-Dichloroethene   | 6.978          | 96   | 33792               | 20.631  | ug/l  | 94       |
| 28) Bromochloromethane       | 7.326          | 49   | 18156               | 22.730  | ug/l  | 83       |
| 29) Tetrahydrofuran          | 7.338          | 42   | 27761               | 109.374 | ug/l  | 90       |
| 30) Chloroform               | 7.496          | 83   | 51999               | 21.692  | ug/l  | 93       |
| 31) Cyclohexane              | 7.777          | 56   | 45192               | 20.194  | ug/l  | 95       |
| 32) 1,1,1-Trichloroethane    | 7.692          | 97   | 44009               | 20.917  | ug/l  | 97       |
| 36) 1,1-Dichloropropene      | 7.911          | 75   | 38424               | 20.109  | ug/l  | 96       |
| 37) Ethyl Acetate            | 7.064          | 43   | 18504               | 20.244  | ug/l  | 97       |
| 38) Carbon Tetrachloride     | 7.893          | 117  | 36128               | 18.460  | ug/l  | 95       |
| 39) Methylcyclohexane        | 9.179          | 83   | 48761               | 18.293  | ug/l  | 95       |
| 40) Benzene                  | 8.155          | 78   | 116175              | 19.945  | ug/l  | 100      |

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0529SBS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 05/30/2024  
 Supervised By :Semsettin Yesilyurt 05/30/2024

Quant Time: May 30 04:00:46 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052224S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 23 01:40:36 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.301  | 41   | 10196    | 22.346  | ug/l # | 89       |
| 42) 1,2-Dichloroethane        | 8.228  | 62   | 28827    | 20.574  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.265  | 43   | 37711    | 21.145  | ug/l   | 93       |
| 44) Trichloroethene           | 8.935  | 130  | 28152    | 18.855  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 9.210  | 63   | 27260    | 20.808  | ug/l   | 93       |
| 46) Dibromomethane            | 9.301  | 93   | 15131    | 19.683  | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.496  | 83   | 37735    | 20.226  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.289  | 41   | 16016    | 19.853  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 4071     | 408.160 | ug/l # | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.063 | 43   | 98236    | 109.141 | ug/l   | 92       |
| 52) Toluene                   | 10.240 | 92   | 72914    | 19.969  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 35106    | 20.582  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 43007    | 20.577  | ug/l # | 90       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 20819    | 20.442  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 29904    | 21.407  | ug/l # | 83       |
| 57) 1,3-Dichloropropane       | 10.789 | 76   | 36092    | 20.908  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.777  | 63   | 70384    | 111.504 | ug/l   | 97       |
| 59) 2-Hexanone                | 10.831 | 43   | 68214    | 110.139 | ug/l   | 91       |
| 60) Dibromochloromethane      | 10.984 | 129  | 23848    | 19.386  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 18711    | 19.911  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.715 | 164  | 24497    | 17.701  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.514 | 112  | 79076    | 19.622  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 25011    | 19.618  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.587 | 91   | 140389   | 19.837  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.697 | 106  | 105526   | 38.752  | ug/l   | 96       |
| 69) o-Xylene                  | 12.026 | 106  | 51941    | 20.212  | ug/l   | 99       |
| 70) Styrene                   | 12.044 | 104  | 85549    | 20.139  | ug/l   | 99       |
| 71) Bromoform                 | 12.203 | 173  | 12334    | 18.291  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.325 | 105  | 134677   | 19.563  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 33933    | 21.127  | ug/l # | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 24099    | 20.544  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 18514m   | 23.518  | ug/l   |          |
| 77) Bromobenzene              | 12.605 | 156  | 28446    | 18.866  | ug/l   | 92       |
| 78) n-propylbenzene           | 12.666 | 91   | 166787   | 20.234  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.752 | 91   | 89851    | 20.134  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.813 | 105  | 108610   | 20.076  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.374 | 75   | 6870     | 17.955  | ug/l # | 81       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 93701    | 20.708  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 99915    | 19.980  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 105714   | 19.870  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 149535   | 20.219  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 118571   | 19.600  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 58459    | 19.689  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.440 | 146  | 56457    | 19.105  | ug/l   | 94       |
| 89) n-Butylbenzene            | 13.697 | 91   | 116774   | 20.541  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.959 | 117  | 20985    | 18.785  | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 49707    | 19.294  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 2994     | 18.609  | ug/l   | 86       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 24933    | 16.990  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 13775    | 18.343  | ug/l   | 98       |
| 95) Naphthalene               | 15.233 | 128  | 48497    | 16.806  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 21577    | 17.294  | ug/l   | 97       |

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ALS Vial : 6 Sample Multiplier: 1

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Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 05/30/2024  
Supervised By :Semsettin Yesilyurt 05/30/2024

Quant Time: May 30 04:00:46 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052224S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 23 01:40:36 2024  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

