

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042920\  
 Data File : VY002502.D  
 Acq On : 29 Apr 2020 12:10  
 Operator : SY/MD  
 Sample : VY0429SBS01  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0429SBS01

Quant Time: Apr 30 04:36:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y042320S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 23 14:11:26 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.81  | 168  | 144011   | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.71  | 114  | 190771   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 178991   | 50.00 | ug/l  | -0.01    |
| 72) 1,4-Dichlorobenzene-d4 | 13.43 | 152  | 100421   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 70500    | 56.01 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 112.02% |          |
| 35) Dibromofluoromethane    | 7.74  | 113  | 55019    | 51.13 | ug/l    | -0.01    |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 102.26% |          |
| 50) Toluene-d8              | 10.19 | 98   | 207952   | 48.08 | ug/l    | -0.01    |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 96.16%  |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 73198    | 50.44 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 100.88% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.91 | 85   | 25099    | 23.798  | ug/l   | 99     |
| 3) Chloromethane              | 2.13 | 50   | 20897    | 15.573  | ug/l   | 97     |
| 4) Vinyl Chloride             | 2.26 | 62   | 26497    | 27.487  | ug/l   | 96     |
| 5) Bromomethane               | 2.65 | 94   | 21175    | 39.138  | ug/l   | 95     |
| 6) Chloroethane               | 2.80 | 64   | 16208    | 33.021  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 3.14 | 101  | 58045    | 33.207  | ug/l   | 100    |
| 8) Diethyl Ether              | 3.55 | 74   | 14280    | 19.819  | ug/l   | 77     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.92 | 101  | 24232    | 20.139  | ug/l   | 92     |
| 10) Methyl Iodide             | 4.11 | 142  | 35450    | 19.098  | ug/l # | 85     |
| 11) Tert butyl alcohol        | 4.97 | 59   | 13114    | 110.696 | ug/l   | 100    |
| 12) 1,1-Dichloroethene        | 3.89 | 96   | 23648    | 19.182  | ug/l   | 96     |
| 13) Acrolein                  | 3.75 | 56   | 7132     | 75.205  | ug/l   | 95     |
| 14) Allyl chloride            | 4.50 | 41   | 24783    | 13.679  | ug/l # | 70     |
| 15) Acrylonitrile             | 5.19 | 53   | 26459    | 76.751  | ug/l   | 94     |
| 16) Acetone                   | 3.97 | 43   | 25373    | 96.458  | ug/l   | 96     |
| 17) Carbon Disulfide          | 4.21 | 76   | 63189    | 16.438  | ug/l   | 96     |
| 18) Methyl Acetate            | 4.50 | 43   | 12018    | 14.198  | ug/l # | 84     |
| 19) Methyl tert-butyl Ether   | 5.25 | 73   | 69121    | 20.778  | ug/l # | 88     |
| 20) Methylene Chloride        | 4.75 | 84   | 25275    | 16.829  | ug/l # | 85     |
| 21) trans-1,2-Dichloroethene  | 5.25 | 96   | 24882    | 17.927  | ug/l   | 85     |
| 22) Diisopropyl ether         | 6.14 | 45   | 48203    | 13.457  | ug/l # | 85     |
| 23) Vinyl Acetate             | 6.08 | 43   | 172187   | 75.647  | ug/l # | 93     |
| 24) 1,1-Dichloroethane        | 6.04 | 63   | 35264    | 16.260  | ug/l   | 99     |
| 25) 2-Butanone                | 7.02 | 43   | 30342    | 75.292  | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 7.00 | 77   | 47533    | 22.917  | ug/l   | 95     |
| 27) cis-1,2-Dichloroethene    | 7.01 | 96   | 26908    | 17.824  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.36 | 49   | 11961    | 14.137  | ug/l # | 67     |
| 29) Tetrahydrofuran           | 7.36 | 42   | 16825    | 62.972  | ug/l # | 73     |
| 30) Chloroform                | 7.53 | 83   | 46883    | 20.303  | ug/l   | 94     |
| 31) Cyclohexane               | 7.80 | 56   | 30046    | 13.855  | ug/l # | 78     |
| 32) 1,1,1-Trichloroethane     | 7.72 | 97   | 53443    | 24.493  | ug/l   | 96     |
| 36) 1,1-Dichloropropene       | 7.94 | 75   | 31900    | 19.501  | ug/l   | 99     |
| 37) Ethyl Acetate             | 7.10 | 43   | 14067    | 17.118  | ug/l   | 97     |
| 38) Carbon Tetrachloride      | 7.92 | 117  | 51862    | 27.571  | ug/l   | 99     |

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 Quant Title : SW846 8260  
 QLast Update : Thu Apr 23 14:11:26 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.19  | 83   | 39040    | 18.296  | ug/l   | 95       |
| 40) Benzene                    | 8.17  | 78   | 87839    | 18.579  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.35  | 41   | 9355m    | 18.477  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.25  | 62   | 35544    | 25.880  | ug/l   | 93       |
| 43) Isopropyl Acetate          | 8.29  | 43   | 26071    | 16.962  | ug/l   | 96       |
| 44) Trichloroethene            | 8.96  | 130  | 31246    | 21.136  | ug/l   | 91       |
| 45) 1,2-Dichloropropane        | 9.23  | 63   | 16702    | 15.328  | ug/l   | 93       |
| 46) Dibromomethane             | 9.31  | 93   | 13258    | 20.796  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.51  | 83   | 35202    | 22.080  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.30  | 41   | 12361    | 17.617  | ug/l # | 86       |
| 49) 1,4-Dioxane                | 9.31  | 88   | 3387     | 416.881 | ug/l   | 88       |
| 51) 4-Methyl-2-Pentanone       | 10.08 | 43   | 67101    | 84.050  | ug/l   | 99       |
| 52) Toluene                    | 10.25 | 92   | 60080    | 19.741  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.47 | 75   | 36832    | 21.999  | ug/l   | 91       |
| 54) cis-1,3-Dichloropropene    | 9.94  | 75   | 37195    | 19.409  | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane      | 10.65 | 97   | 18096    | 19.198  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.52 | 69   | 23185    | 18.001  | ug/l # | 91       |
| 57) 1,3-Dichloropropane        | 10.80 | 76   | 30119    | 18.926  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.79  | 63   | 53304    | 85.583  | ug/l # | 83       |
| 59) 2-Hexanone                 | 10.84 | 43   | 45452    | 81.678  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.99 | 129  | 28007    | 22.675  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.09 | 107  | 18300    | 19.578  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.72 | 164  | 36899    | 22.493  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.52 | 112  | 70983    | 20.571  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.59 | 131  | 29117    | 22.488  | ug/l   | 95       |
| 67) Ethyl Benzene              | 11.59 | 91   | 124417   | 20.231  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.70 | 106  | 97449    | 41.162  | ug/l   | 97       |
| 69) o-Xylene                   | 12.03 | 106  | 45794    | 20.888  | ug/l   | 97       |
| 70) Styrene                    | 12.05 | 104  | 80346    | 21.047  | ug/l   | 96       |
| 71) Bromoform                  | 12.21 | 173  | 18685    | 22.908  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.33 | 105  | 134214   | 19.991  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.14 | 43   | 23004    | 14.460  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.59 | 83   | 15460    | 14.994  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 12.64 | 75   | 13155m   | 15.456  | ug/l   |          |
| 77) Bromobenzene               | 12.61 | 156  | 33908    | 20.138  | ug/l   | 91       |
| 78) n-propylbenzene            | 12.67 | 91   | 145470   | 18.662  | ug/l   | 96       |
| 79) 2-Chlorotoluene            | 12.76 | 91   | 81967    | 19.217  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.81 | 105  | 118663   | 20.825  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 7639     | 16.608  | ug/l # | 76       |
| 82) 4-Chlorotoluene            | 12.86 | 91   | 86260    | 19.567  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.08 | 119  | 105056   | 21.232  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene     | 13.13 | 105  | 117830   | 21.554  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.25 | 105  | 132893   | 20.058  | ug/l   | 96       |
| 86) p-Isopropyltoluene         | 13.37 | 119  | 136122   | 21.543  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.37 | 146  | 66107    | 21.227  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.45 | 146  | 65420    | 21.126  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.70 | 91   | 111898   | 19.197  | ug/l   | 97       |
| 90) Hexachloroethane           | 13.96 | 117  | 23111    | 20.236  | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene        | 13.74 | 146  | 59283    | 22.105  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.36 | 75   | 4819     | 23.541  | ug/l   | 92       |

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Sample : VY0429SBSD01  
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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Thu Apr 23 14:11:26 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.01 | 180  | 54056    | 25.538 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.12 | 225  | 34918    | 27.334 | ug/l  | 97       |
| 95) Naphthalene            | 15.24 | 128  | 102810   | 26.189 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.43 | 180  | 50714    | 28.247 | ug/l  | 99       |

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

