

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072821\  
 Data File : VY005482.D  
 Acq On : 28 Jul 2021 12:25  
 Operator : SY/MD  
 Sample : VY0728SBS01  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0728SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 7/29/2021 4:12:19 PM

Quant Time: Jul 29 05:29:58 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 06:20:14 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.795  | 168   | 272422   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.697  | 114   | 393691   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.496 | 117   | 359765   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428 | 152   | 190635   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.149  | 65    | 145961   | 50.152   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 100.300% |          |
| 35) Dibromofluoromethane     | 7.722  | 113   | 117110   | 51.518   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 103.040% |          |
| 50) Toluene-d8               | 10.185 | 98    | 500729   | 51.971   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | = 103.940% |          |
| 62) 4-Bromofluorobenzene     | 12.483 | 95    | 165078   | 51.913   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | = 103.820% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.906  | 85    | 58034    | 23.532   | ug/l       | 96       |
| 3) Chloromethane             | 2.113  | 50    | 67474    | 22.319   | ug/l       | 96       |
| 4) Vinyl Chloride            | 2.259  | 62    | 80329    | 22.314   | ug/l       | 100      |
| 5) Bromomethane              | 2.650  | 94    | 57997    | 22.045   | ug/l       | 98       |
| 6) Chloroethane              | 2.796  | 64    | 50252    | 22.220   | ug/l       | 94       |
| 7) Trichlorofluoromethane    | 3.131  | 101   | 104054   | 22.103   | ug/l       | 97       |
| 8) Diethyl Ether             | 3.534  | 74    | 35529    | 21.439   | ug/l       | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 3.906  | 101   | 56995    | 22.276   | ug/l       | 98       |
| 10) Methyl Iodide            | 4.101  | 142   | 58404    | 20.114   | ug/l       | 95       |
| 11) Tert butyl alcohol       | 4.978  | 59    | 24014    | 87.345   | ug/l #     | 87       |
| 12) 1,1-Dichloroethene       | 3.875  | 96    | 57336    | 22.014   | ug/l       | 98       |
| 13) Acrolein                 | 3.735  | 56    | 23783    | 94.466   | ug/l       | 97       |
| 14) Allyl chloride           | 4.491  | 41    | 98250    | 21.079   | ug/l       | 99       |
| 15) Acrylonitrile            | 5.174  | 53    | 72709    | 88.347   | ug/l       | 98       |
| 16) Acetone                  | 3.960  | 43    | 75203    | 113.147  | ug/l       | 96       |
| 17) Carbon Disulfide         | 4.198  | 76    | 186456   | 21.649   | ug/l       | 100      |
| 18) Methyl Acetate           | 4.491  | 43    | 37927    | 20.301   | ug/l       | 100      |
| 19) Methyl tert-butyl Ether  | 5.228  | 73    | 142160   | 18.089   | ug/l       | 99       |
| 20) Methylene Chloride       | 4.729  | 84    | 83524    | 21.445   | ug/l       | 96       |
| 21) trans-1,2-Dichloroethene | 5.222  | 96    | 55300    | 18.899   | ug/l       | 96       |
| 22) Diisopropyl ether        | 6.131  | 45    | 172682   | 19.088   | ug/l       | 93       |
| 23) Vinyl Acetate            | 6.070  | 43    | 560030   | 94.115   | ug/l       | 100      |
| 24) 1,1-Dichloroethane       | 6.027  | 63    | 96605    | 19.373   | ug/l       | 99       |
| 25) 2-Butanone               | 6.996  | 43    | 93645    | 94.085   | ug/l       | 97       |
| 26) 2,2-Dichloropropane      | 6.984  | 77    | 90107    | 19.872   | ug/l       | 99       |
| 27) cis-1,2-Dichloroethene   | 6.996  | 96    | 60416    | 19.302   | ug/l       | 100      |
| 28) Bromochloromethane       | 7.338  | 49    | 42050    | 20.948   | ug/l       | 98       |
| 29) Tetrahydrofuran          | 7.356  | 42    | 62088    | 94.197   | ug/l       | 98       |
| 30) Chloroform               | 7.515  | 83    | 98480    | 19.963   | ug/l       | 95       |
| 31) Cyclohexane              | 7.789  | 56    | 99336    | 19.989   | ug/l       | 97       |
| 32) 1,1,1-Trichloroethane    | 7.710  | 97    | 93176    | 20.400   | ug/l       | 99       |
| 36) 1,1-Dichloropropene      | 7.923  | 75    | 79451    | 20.872   | ug/l       | 99       |
| 37) Ethyl Acetate            | 7.082  | 43    | 43026    | 18.568   | ug/l       | 98       |
| 38) Carbon Tetrachloride     | 7.899  | 117   | 85571    | 20.571   | ug/l       | 90       |
| 39) Methylcyclohexane        | 9.185  | 83    | 98517    | 20.183   | ug/l       | 99       |
| 40) Benzene                  | 8.167  | 78    | 221759   | 20.272   | ug/l       | 98       |

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 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0728SBS01

Manual Integrations  
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MMDadoda  
 7/29/2021 4:12:19 PM

Quant Time: Jul 29 05:29:58 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 06:20:14 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.320  | 41   | 27414m   | 22.576  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 70271    | 19.858  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.283  | 43   | 82018    | 19.546  | ug/l   | 100      |
| 44) Trichloroethene           | 8.941  | 130  | 60278    | 20.318  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.222  | 63   | 53559    | 19.884  | ug/l   | 100      |
| 46) Dibromomethane            | 9.307  | 93   | 29730    | 20.053  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.502  | 83   | 74160    | 19.901  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.301  | 41   | 36430    | 18.668  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.313  | 88   | 7487     | 358.016 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone      | 10.075 | 43   | 212858   | 95.550  | ug/l   | 99       |
| 52) Toluene                   | 10.246 | 92   | 140102   | 20.168  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.471 | 75   | 81749    | 19.610  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 9.935  | 75   | 90488    | 19.747  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 41698    | 19.598  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.514 | 69   | 61583    | 19.169  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.795 | 76   | 74093    | 19.579  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.789  | 63   | 143180   | 93.188  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.837 | 43   | 151668   | 97.137  | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.990 | 129  | 52294    | 20.124  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 39204    | 19.466  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.721 | 164  | 56943    | 20.952  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.520 | 112  | 149482   | 20.286  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 54717    | 19.882  | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.599 | 91   | 268815   | 20.040  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 211093   | 40.527  | ug/l   | 99       |
| 69) o-Xylene                  | 12.032 | 106  | 100546   | 20.290  | ug/l   | 99       |
| 70) Styrene                   | 12.050 | 104  | 168083   | 19.976  | ug/l   | 99       |
| 71) Bromoform                 | 12.209 | 173  | 35008    | 19.903  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.331 | 105  | 267274   | 20.331  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.148 | 43   | 75565    | 18.880  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83   | 48142    | 19.180  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 36540m   | 19.480  | ug/l   |          |
| 77) Bromobenzene              | 12.611 | 156  | 64215    | 19.947  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.672 | 91   | 322152   | 20.311  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 177238   | 19.894  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 223411   | 20.346  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.386 | 75   | 18114    | 18.750  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 187399   | 20.323  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.081 | 119  | 199114   | 20.358  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 221291   | 20.093  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.257 | 105  | 289538   | 20.524  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 247459   | 20.373  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 125459   | 19.871  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 125682   | 20.090  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.696 | 91   | 227853   | 20.437  | ug/l   | 100      |
| 90) Hexachloroethane          | 13.965 | 117  | 43722    | 20.025  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.745 | 146  | 111923   | 19.851  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 9095     | 18.686  | ug/l   | 100      |
| 93) 1,2,4-Trichlorobenzene    | 15.013 | 180  | 78112    | 20.079  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 51455    | 20.870  | ug/l   | 97       |
| 95) Naphthalene               | 15.239 | 128  | 149407   | 19.093  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 68897    | 19.649  | ug/l   | 98       |

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Quant Time: Jul 29 05:29:58 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072221S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 23 06:20:14 2021  
Response via : Initial Calibration

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

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

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