

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072420\  
 Data File : VY003335.D  
 Acq On : 24 Jul 2020 16:26  
 Operator : SY/MD  
 Sample : VY0724SBS01  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0724SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 7/27/2020 12:03:23 PM

Quant Time: Jul 25 02:18:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 10 13:18:03 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.79  | 168  | 499304   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 737118   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 675443   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 362956   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.14  | 65   | 205214   | 48.69 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.38% |          |
| 35) Dibromofluoromethane    | 7.72  | 113  | 202602   | 47.76 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.52% |          |
| 50) Toluene-d8              | 10.18 | 98   | 731426   | 46.38 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.76% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 264594   | 46.44 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.88% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.90 | 85   | 78991    | 22.073  | ug/l   | 99     |
| 3) Chloromethane              | 2.12 | 50   | 97930    | 19.728  | ug/l   | 100    |
| 4) Vinyl Chloride             | 2.26 | 62   | 106412   | 20.894  | ug/l   | 96     |
| 5) Bromomethane               | 2.64 | 94   | 81312    | 21.494  | ug/l   | 98     |
| 6) Chloroethane               | 2.80 | 64   | 67173    | 20.081  | ug/l   | 94     |
| 7) Trichlorofluoromethane     | 3.13 | 101  | 154402   | 21.228  | ug/l   | 94     |
| 8) Diethyl Ether              | 3.54 | 74   | 52053    | 21.357  | ug/l   | 93     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.90 | 101  | 93226    | 21.223  | ug/l   | 98     |
| 10) Methyl Iodide             | 4.09 | 142  | 94442    | 19.789  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.96 | 59   | 56766    | 124.569 | ug/l # | 86     |
| 12) 1,1-Dichloroethene        | 3.88 | 96   | 86099    | 20.722  | ug/l   | 97     |
| 13) Acrolein                  | 3.74 | 56   | 27396    | 69.263  | ug/l   | 97     |
| 14) Allyl chloride            | 4.48 | 41   | 135963   | 22.053  | ug/l   | 97     |
| 15) Acrylonitrile             | 5.17 | 53   | 131546   | 112.359 | ug/l   | 99     |
| 16) Acetone                   | 3.95 | 43   | 107576   | 114.279 | ug/l   | 93     |
| 17) Carbon Disulfide          | 4.19 | 76   | 258807   | 20.299  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.48 | 43   | 62152    | 23.774  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.23 | 73   | 243172   | 20.885  | ug/l   | 96     |
| 20) Methylene Chloride        | 4.72 | 84   | 136963   | 26.315  | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene  | 5.22 | 96   | 95561    | 20.335  | ug/l   | 94     |
| 22) Diisopropyl ether         | 6.12 | 45   | 299617   | 21.897  | ug/l   | 99     |
| 23) Vinyl Acetate             | 6.07 | 43   | 973116   | 106.703 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 6.02 | 63   | 169753   | 21.414  | ug/l   | 98     |
| 25) 2-Butanone                | 6.99 | 43   | 171410   | 110.901 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.99 | 77   | 152198   | 21.319  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 6.99 | 96   | 108438   | 20.958  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.33 | 49   | 77973    | 22.719  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 7.35 | 42   | 114886   | 110.647 | ug/l   | 97     |
| 30) Chloroform                | 7.51 | 83   | 172765   | 21.161  | ug/l   | 98     |
| 31) Cyclohexane               | 7.78 | 56   | 160761   | 20.972  | ug/l   | 96     |
| 32) 1,1,1-Trichloroethane     | 7.71 | 97   | 153786   | 20.923  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.92 | 75   | 135654   | 20.305  | ug/l   | 100    |
| 37) Ethyl Acetate             | 7.08 | 43   | 78170    | 21.727  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.90 | 117  | 139276   | 20.194  | ug/l   | 97     |

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0724SBS01

Manual Integrations  
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MMDadoda  
 7/27/2020 12:03:23 PM

Quant Time: Jul 25 02:18:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 10 13:18:03 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.18  | 83   | 165068   | 19.669  | ug/l   | 94       |
| 40) Benzene                    | 8.16  | 78   | 376717   | 20.479  | ug/l   | 97       |
| 41) Methacrylonitrile          | 7.33  | 41   | 42683m   | 19.698  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.24  | 62   | 114865   | 20.283  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.27  | 43   | 144665   | 20.773  | ug/l   | 99       |
| 44) Trichloroethene            | 8.94  | 130  | 111243   | 19.727  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 9.22  | 63   | 99802    | 20.968  | ug/l   | 99       |
| 46) Dibromomethane             | 9.31  | 93   | 54638    | 19.654  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.50  | 83   | 137837   | 20.847  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.29  | 41   | 64870    | 20.836  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.30  | 88   | 14997    | 425.043 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 10.07 | 43   | 381081   | 105.281 | ug/l   | 99       |
| 52) Toluene                    | 10.24 | 92   | 239212   | 20.345  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.46 | 75   | 143836   | 20.996  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.93  | 75   | 164231   | 20.807  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane      | 10.64 | 97   | 79832    | 20.265  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.51 | 69   | 109555   | 20.455  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.79 | 76   | 138939   | 20.800  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.78  | 63   | 303368   | 111.064 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.83 | 43   | 270377   | 107.004 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.98 | 129  | 101660   | 20.517  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.09 | 107  | 77198    | 19.855  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.72 | 164  | 111832   | 18.569  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.52 | 112  | 266992   | 20.519  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.59 | 131  | 103500   | 20.480  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.59 | 91   | 473800   | 20.393  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.70 | 106  | 360201   | 40.861  | ug/l   | 100      |
| 69) o-Xylene                   | 12.03 | 106  | 166334   | 20.198  | ug/l   | 98       |
| 70) Styrene                    | 12.04 | 104  | 290664   | 20.632  | ug/l   | 100      |
| 71) Bromoform                  | 12.20 | 173  | 67125    | 20.237  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.33 | 105  | 466386   | 20.164  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.14 | 43   | 131440   | 20.253  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.58 | 83   | 93318    | 20.889  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.63 | 75   | 77688m   | 24.181  | ug/l   |          |
| 77) Bromobenzene               | 12.61 | 156  | 118231   | 20.053  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.67 | 91   | 559660   | 20.527  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.75 | 91   | 312473   | 20.541  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.81 | 105  | 390104   | 20.236  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 33700    | 20.414  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.85 | 91   | 325532   | 20.503  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.07 | 119  | 339423   | 19.954  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.12 | 105  | 394369   | 20.332  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 13.25 | 105  | 485709   | 20.775  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.37 | 119  | 442783   | 20.284  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.36 | 146  | 226965   | 20.357  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.44 | 146  | 226600   | 20.528  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.69 | 91   | 427315   | 20.811  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.95 | 117  | 85257    | 21.446  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.74 | 146  | 203003   | 20.748  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.36 | 75   | 15359    | 21.207  | ug/l   | 96       |

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Sample : VY0724SBS01  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0724SBS01

Manual Integrations  
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Quant Time: Jul 25 02:18:56 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 10 13:18:03 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.00 | 180  | 148486   | 21.332 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.11 | 225  | 97141    | 20.367 | ug/l  | 99       |
| 95) Naphthalene            | 15.23 | 128  | 247773   | 21.539 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.42 | 180  | 119759   | 21.765 | ug/l  | 99       |

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

