

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032921\  
 Data File : BM029246.D  
 Acq On : 29 Mar 2021 14:01  
 Operator : CG/JU  
 Sample : M1458-03  
 Misc : MDL-SOIL-8PPM  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-SOIL-03-QT1-2021

Manual Integrations  
 APPROVED

mohammad  
 3/30/2021 12:41:33 PM

Quant Time: Mar 29 14:31:53 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM032621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 29 12:59:16 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.751  | 152  | 99670    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.533 | 136  | 391013   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.374 | 164  | 230523   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.115 | 188  | 485109   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.280 | 240  | 503148   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 23.515 | 264  | 517390   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.351  | 112  | 445761   | 77.09 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.916  | 99   | 640700   | 77.22 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.904  | 82   | 519394   | 64.49 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.863 | 330  | 156482   | 73.30 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.004 | 172  | 1071400  | 65.92 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.739 | 244  | 1576739  | 62.95 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.304  | 88   | 20485    | 7.79  | ng    | 97       |
| 3) Pyridine                   | 3.704  | 79   | 50661    | 8.00  | ng    | # 89     |
| 4) n-Nitrosodimethylamine     | 3.622  | 42   | 19410    | 6.83  | ng    | # 90     |
| 6) Aniline                    | 7.087  | 93   | 82772    | 9.21  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.322  | 128  | 52864    | 8.10  | ng    | 99       |
| 9) Benzaldehyde               | 6.904  | 77   | 51253    | 9.84  | ng    | 96       |
| 10) Phenol                    | 6.945  | 94   | 67293    | 8.21  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.181  | 93   | 49764    | 8.48  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.645  | 146  | 59895    | 8.21  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.787  | 146  | 60407    | 8.16  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.104  | 146  | 58086    | 8.17  | ng    | 96       |
| 15) Benzyl Alcohol            | 7.992  | 79   | 46585    | 7.76  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.287  | 45   | 80597    | 8.96  | ng    | 98       |
| 17) 2-Methylphenol            | 8.187  | 107  | 43051    | 8.17  | ng    | 94       |
| 18) Hexachloroethane          | 8.828  | 117  | 21656    | 8.05  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.551  | 70   | 42350    | 7.91  | ng    | 96       |
| 20) 3+4-Methylphenols         | 8.510  | 107  | 55128    | 7.82  | ng    | 97       |
| 22) Acetophenone              | 8.569  | 105  | 78646    | 8.03  | ng    | 97       |
| 24) Nitrobenzene              | 8.945  | 77   | 70685    | 8.41  | ng    | 95       |
| 25) Isophorone                | 9.469  | 82   | 101498   | 7.34  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.651  | 139  | 18800    | 6.71  | ng    | 92       |
| 27) 2,4-Dimethylphenol        | 9.710  | 122  | 43687    | 8.13  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 9.951  | 93   | 64925    | 8.88  | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 10.181 | 162  | 40982    | 7.01  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 10.398 | 180  | 51403    | 7.75  | ng    | 96       |
| 31) Naphthalene               | 10.580 | 128  | 163623   | 7.94  | ng    | 98       |
| 32) Benzoic acid              | 9.769  | 122  | 15317m   | 4.91  | ng    |          |
| 33) 4-Chloroaniline           | 10.692 | 127  | 64924    | 7.97  | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.869 | 225  | 29300    | 7.60  | ng    | 94       |
| 35) Caprolactam               | 11.451 | 113  | 10075    | 5.68  | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 11.810 | 107  | 47390    | 7.60  | ng    | 89       |
| 37) 2-Methylnaphthalene       | 12.192 | 142  | 113668   | 7.89  | ng    | 95       |
| 38) 1-Methylnaphthalene       | 12.416 | 142  | 106947   | 7.80  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.563 | 216  | 51547    | 7.98  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.551 | 237  | 27851    | 7.86  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.804 | 196  | 28986    | 6.89  | ng    | 96       |

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| 44) 2,4,5-Trichlorophenol     | 12.869 | 196  | 33844    | 7.24 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.210 | 154  | 146305   | 8.35 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.251 | 162  | 111028   | 8.05 | ng    | 100      |
| 48) 2-Nitroaniline            | 13.451 | 65   | 28344    | 7.01 | ng    | 96       |
| 49) Acenaphthylene            | 14.098 | 152  | 163451   | 7.79 | ng    | 99       |
| 50) Dimethylphthalate         | 13.839 | 163  | 133598   | 8.29 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 13.945 | 165  | 24727    | 7.10 | ng    | # 84     |
| 52) Acenaphthene              | 14.439 | 154  | 111367   | 8.35 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.274 | 138  | 24955    | 7.07 | ng    | 91       |
| 54) 2,4-Dinitrophenol         | 14.480 | 184  | 8955     | 5.14 | ng    | # 88     |
| 55) Dibenzofuran              | 14.774 | 168  | 168681   | 8.04 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.574 | 139  | 19598    | 6.08 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 14.733 | 165  | 30630    | 6.69 | ng    | 96       |
| 58) Fluorene                  | 15.421 | 166  | 136578   | 8.03 | ng    | 96       |
| 59) 2,3,4,6-Tetrachlorophenol | 14.998 | 232  | 27120    | 7.08 | ng    | 98       |
| 60) Diethylphthalate          | 15.204 | 149  | 131071   | 8.26 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.421 | 204  | 63491    | 8.09 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.433 | 138  | 24891    | 6.70 | ng    | 95       |
| 63) Azobenzene                | 15.710 | 77   | 145437   | 8.02 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 15.492 | 198  | 14728    | 5.45 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 15.633 | 169  | 115341   | 7.43 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.310 | 248  | 28134    | 6.33 | ng    | 98       |
| 68) Hexachlorobenzene         | 16.421 | 284  | 38660    | 7.39 | ng    | 93       |
| 69) Atrazine                  | 16.580 | 200  | 32114    | 6.55 | ng    | 98       |
| 70) Pentachlorophenol         | 16.762 | 266  | 18625    | 5.78 | ng    | 97       |
| 71) Phenanthrene              | 17.157 | 178  | 216350   | 7.69 | ng    | 99       |
| 72) Anthracene                | 17.245 | 178  | 211000   | 7.72 | ng    | 100      |
| 73) Carbazole                 | 17.515 | 167  | 191935   | 7.14 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.086 | 149  | 183454   | 7.07 | ng    | 99       |
| 75) Fluoranthene              | 19.168 | 202  | 232400   | 7.48 | ng    | 99       |
| 77) Benzidine                 | 19.351 | 184  | 89433    | 6.15 | ng    | 98       |
| 78) Pyrene                    | 19.527 | 202  | 247100   | 7.25 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.433 | 149  | 74280    | 6.45 | ng    | 95       |
| 81) Benzo(a)anthracene        | 21.268 | 228  | 238675   | 7.27 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.203 | 252  | 76401    | 7.78 | ng    | 96       |
| 83) Chrysene                  | 21.315 | 228  | 240564   | 7.32 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.209 | 149  | 117490   | 7.10 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.086 | 149  | 196187   | 7.32 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 25.774 | 276  | 292373   | 7.73 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 22.844 | 252  | 244289   | 7.26 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 22.886 | 252  | 259610   | 7.94 | ng    | 100      |
| 90) Benzo(a)pyrene            | 23.421 | 252  | 220551   | 7.23 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 25.785 | 278  | 243333   | 7.51 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 26.456 | 276  | 244776   | 7.71 | ng    | 98       |

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

