

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100921\  
 Data File : BM032405.D  
 Acq On : 08 Oct 2021 22:22  
 Operator : CG/JU  
 Sample : M4136-03MS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PSC124027MS

Manual Integrations  
 APPROVED

mohammad  
 10/11/2021 2:13:31 PM

Quant Time: Oct 09 02:17:21 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM100221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 08 17:11:04 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.613  | 152  | 381596   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.407 | 136  | 1474745  | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.266 | 164  | 802443   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 16.989 | 188  | 1293674  | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.153 | 240  | 914452   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 23.300 | 264  | 1027164  | 20.00  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.196  | 112  | 2514254  | 111.01 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.813  | 99   | 3180251  | 102.68 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.772  | 82   | 1909126  | 72.00  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.754 | 330  | 799621   | 89.01  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.883 | 172  | 2918918  | 54.08  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.601 | 244  | 2302077  | 53.02  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.996  | 88   | 340288   | 35.31  | ng    | 91       |
| 3) Pyridine                   | 3.402  | 79   | 788103   | 30.22  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.319  | 42   | 434665   | 41.56  | ng    | # 58     |
| 6) Aniline                    | 6.942  | 93   | 1293990  | 37.81  | ng    | 90       |
| 8) 2-Chlorophenol             | 7.190  | 128  | 1111682  | 45.04  | ng    | 92       |
| 9) Benzaldehyde               | 6.743  | 77   | 639731   | 35.39  | ng    | 85       |
| 10) Phenol                    | 6.843  | 94   | 1332038  | 44.67  | ng    | 82       |
| 11) bis(2-Chloroethyl)ether   | 7.037  | 93   | 1026894  | 43.30  | ng    | 91       |
| 12) 1,3-Dichlorobenzene       | 7.507  | 146  | 1186638  | 42.65  | ng    | # 91     |
| 13) 1,4-Dichlorobenzene       | 7.648  | 146  | 1214714  | 42.90  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 7.972  | 146  | 1169801  | 43.04  | ng    | 97       |
| 15) Benzyl Alcohol            | 7.860  | 79   | 938747   | 44.26  | ng    | 87       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.148  | 45   | 1253315  | 41.71  | ng    | 98       |
| 17) 2-Methylphenol            | 8.084  | 107  | 899223   | 44.62  | ng    | # 89     |
| 18) Hexachloroethane          | 8.701  | 117  | 442384   | 45.89  | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 8.425  | 70   | 707368   | 42.01  | ng    | # 81     |
| 20) 3+4-Methylphenols         | 8.413  | 107  | 1171203  | 43.08  | ng    | 95       |
| 22) Acetophenone              | 8.437  | 105  | 1502415  | 42.27  | ng    | # 87     |
| 24) Nitrobenzene              | 8.813  | 77   | 1121431  | 43.85  | ng    | # 86     |
| 25) Isophorone                | 9.331  | 82   | 1932210  | 43.85  | ng    | 95       |
| 26) 2-Nitrophenol             | 9.525  | 139  | 568402   | 47.77  | ng    | # 74     |
| 27) 2,4-Dimethylphenol        | 9.601  | 122  | 981432   | 48.89  | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 9.813  | 93   | 1275303  | 40.26  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.066 | 162  | 973261   | 43.53  | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 10.278 | 180  | 1052539  | 41.50  | ng    | 98       |
| 31) Naphthalene               | 10.454 | 128  | 3182515  | 42.06  | ng    | 99       |
| 32) Benzoic acid              | 9.778  | 122  | 550759   | 37.49  | ng    | # 81     |
| 33) 4-Chloroaniline           | 10.560 | 127  | 891115   | 28.53  | ng    | # 94     |
| 34) Hexachlorobutadiene       | 10.760 | 225  | 628510   | 41.47  | ng    | 98       |
| 35) Caprolactam               | 11.330 | 113  | 276049   | 40.29  | ng    | # 80     |
| 36) 4-Chloro-3-methylphenol   | 11.713 | 107  | 981546   | 40.78  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.072 | 142  | 2174509m | 42.28  | ng    |          |
| 38) 1-Methylnaphthalene       | 12.295 | 142  | 2010786  | 40.01  | ng    | # 98     |
| 40) 1,2,4,5-Tetrachloroben... | 12.454 | 216  | 1012466  | 43.80  | ng    | # 96     |
| 41) Hexachlorocyclopentadiene | 12.442 | 237  | 809172   | 73.43  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.695 | 196  | 709876   | 44.39  | ng    | 95       |

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| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |     |
|-------------------------------|--------|------|----------|-------|-------|----------|-----|
| 44) 2,4,5-Trichlorophenol     | 12.772 | 196  | 746582   | 43.43 | ng    | #        | 91  |
| 46) 1,1'-Biphenyl             | 13.089 | 154  | 2532164  | 42.76 | ng    |          | 99  |
| 47) 2-Chloronaphthalene       | 13.130 | 162  | 2008534  | 44.23 | ng    |          | 98  |
| 48) 2-Nitroaniline            | 13.336 | 65   | 575097   | 46.58 | ng    | #        | 77  |
| 49) Acenaphthylene            | 13.983 | 152  | 3090333  | 43.83 | ng    |          | 99  |
| 50) Dimethylphthalate         | 13.719 | 163  | 2361940  | 41.68 | ng    |          | 99  |
| 51) 2,6-Dinitrotoluene        | 13.830 | 165  | 517158   | 45.05 | ng    | #        | 65  |
| 52) Acenaphthene              | 14.330 | 154  | 1982786  | 42.63 | ng    |          | 98  |
| 53) 3-Nitroaniline            | 14.166 | 138  | 408069   | 31.64 | ng    |          | 85  |
| 54) 2,4-Dinitrophenol         | 14.366 | 184  | 260021   | 40.82 | ng    | #        | 62  |
| 55) Dibenzofuran              | 14.660 | 168  | 2826747  | 39.93 | ng    |          | 93  |
| 56) 4-Nitrophenol             | 14.495 | 139  | 778497   | 73.19 | ng    | #        | 67  |
| 57) 2,4-Dinitrotoluene        | 14.618 | 165  | 661400   | 43.71 | ng    | #        | 61  |
| 58) Fluorene                  | 15.307 | 166  | 2040515  | 37.90 | ng    |          | 99  |
| 59) 2,3,4,6-Tetrachlorophenol | 14.895 | 232  | 566865   | 38.27 | ng    | #        | 83  |
| 60) Diethylphthalate          | 15.083 | 149  | 2235923  | 40.19 | ng    |          | 95  |
| 61) 4-Chlorophenyl-phenyle... | 15.301 | 204  | 1038786  | 37.24 | ng    |          | 93  |
| 62) 4-Nitroaniline            | 15.330 | 138  | 454961   | 35.34 | ng    | #        | 69  |
| 63) Azobenzene                | 15.589 | 77   | 2099651  | 39.65 | ng    |          | 85  |
| 65) 4,6-Dinitro-2-methylph... | 15.389 | 198  | 214417   | 29.45 | ng    | #        | 72  |
| 66) n-Nitrosodiphenylamine    | 15.513 | 169  | 1866049  | 48.85 | ng    |          | 98  |
| 67) 4-Bromophenyl-phenylether | 16.189 | 248  | 628792   | 46.70 | ng    |          | 91  |
| 68) Hexachlorobenzene         | 16.324 | 284  | 664509   | 44.83 | ng    | #        | 83  |
| 69) Atrazine                  | 16.460 | 200  | 608863   | 46.80 | ng    |          | 95  |
| 70) Pentachlorophenol         | 16.660 | 266  | 743995   | 81.33 | ng    |          | 98  |
| 71) Phenanthrene              | 17.030 | 178  | 2928312  | 43.13 | ng    |          | 100 |
| 72) Anthracene                | 17.124 | 178  | 2954611  | 44.53 | ng    |          | 100 |
| 73) Carbazole                 | 17.389 | 167  | 2554094  | 38.77 | ng    |          | 98  |
| 74) Di-n-butylphthalate       | 17.948 | 149  | 3150306  | 44.51 | ng    | #        | 97  |
| 75) Fluoranthene              | 19.042 | 202  | 2817915  | 37.42 | ng    |          | 98  |
| 77) Benzidine                 | 19.218 | 184  | 2003750  | 88.21 | ng    |          | 99  |
| 78) Pyrene                    | 19.401 | 202  | 2816503  | 45.42 | ng    |          | 99  |
| 80) Butylbenzylphthalate      | 20.289 | 149  | 1115611  | 47.37 | ng    |          | 91  |
| 81) Benzo(a)anthracene        | 21.142 | 228  | 2429039  | 42.50 | ng    |          | 98  |
| 82) 3,3'-Dichlorobenzidine    | 21.077 | 252  | 891714   | 49.52 | ng    |          | 99  |
| 83) Chrysene                  | 21.195 | 228  | 2400210  | 43.41 | ng    |          | 99  |
| 84) Bis(2-ethylhexyl)phtha... | 21.065 | 149  | 1595592  | 50.25 | ng    | #        | 93  |
| 85) Di-n-octyl phthalate      | 21.906 | 149  | 2647436  | 49.71 | ng    | #        | 89  |
| 87) Indeno(1,2,3-cd)pyrene    | 25.430 | 276  | 3084575  | 48.73 | ng    |          | 96  |
| 88) Benzo(b)fluoranthene      | 22.665 | 252  | 2640256  | 42.26 | ng    |          | 99  |
| 89) Benzo(k)fluoranthene      | 22.706 | 252  | 2525439  | 41.37 | ng    |          | 98  |
| 90) Benzo(a)pyrene            | 23.206 | 252  | 2607915  | 51.47 | ng    |          | 98  |
| 91) Dibenzo(a,h)anthracene    | 25.430 | 278  | 2588540  | 48.51 | ng    | #        | 95  |
| 92) Benzo(g,h,i)perylene      | 26.082 | 276  | 2730174  | 51.75 | ng    | #        | 95  |

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

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