

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032619\  
 Data File : BN004978.D  
 Acq On : 26 Mar 2019 16:03  
 Operator : JU/SJ  
 Sample : SSTDICC100  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC100

Manual Integrations  
 APPROVED

Sohil  
 3/27/2019 5:47:30 PM

Quant Time: Mar 26 16:37:40 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN032619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 26 15:08:55 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.68  | 152  | 9874     | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.46 | 136  | 44016    | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.33 | 164  | 25227    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.07 | 188  | 55490    | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.28 | 240  | 51088    | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.52 | 264  | 46819    | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.27  | 112 | 111934 | 204.46 | ng | 0.00 |
| 7) Phenol-d6             | 6.87  | 99  | 149084 | 196.35 | ng | 0.01 |
| 23) Nitrobenzene-d5      | 8.86  | 82  | 142895 | 204.35 | ng | 0.01 |
| 42) 2,4,6-Tribromophenol | 15.83 | 330 | 83509  | 222.06 | ng | 0.01 |
| 45) 2-Fluorobiphenyl     | 12.95 | 172 | 357069 | 188.92 | ng | 0.00 |
| 79) Terphenyl-d14        | 19.72 | 244 | 520230 | 200.48 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |         |    | Qvalue |
|--------------------------------|-------|-----|--------|---------|----|--------|
| 2) 1,4-Dioxane                 | 3.21  | 88  | 20285  | 95.861  | ng | 97     |
| 3) Pyridine                    | 3.60  | 79  | 59448  | 93.974  | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.53  | 42  | 20598  | 106.722 | ng | 97     |
| 6) Aniline                     | 7.02  | 93  | 95735  | 102.028 | ng | 100    |
| 8) 2-Chlorophenol              | 7.25  | 128 | 71673  | 103.430 | ng | 100    |
| 9) Benzaldehyde                | 6.83  | 77  | 41275  | 79.427  | ng | 98     |
| 10) Phenol                     | 6.89  | 94  | 80600  | 98.387  | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.12  | 93  | 62319  | 95.948  | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 7.56  | 146 | 77772  | 99.475  | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.72  | 146 | 78612  | 98.384  | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.03  | 146 | 75040  | 97.096  | ng | 99     |
| 15) Benzyl Alcohol             | 7.93  | 79  | 58439  | 103.267 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.21  | 45  | 73683  | 88.463  | ng | 99     |
| 17) 2-Methylphenol             | 8.13  | 107 | 56138  | 99.311  | ng | 99     |
| 18) Hexachloroethane           | 8.74  | 117 | 28445  | 109.381 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 8.49  | 70  | 48654  | 95.179  | ng | 99     |
| 20) 3+4-Methylphenols          | 8.46  | 107 | 76644  | 97.364  | ng | 98     |
| 22) Acetophenone               | 8.51  | 105 | 98602  | 98.253  | ng | # 100  |
| 24) Nitrobenzene               | 8.89  | 77  | 73150  | 101.940 | ng | 100    |
| 25) Isophorone                 | 9.41  | 82  | 140134 | 115.724 | ng | 100    |
| 26) 2-Nitrophenol              | 9.59  | 139 | 43473  | 106.559 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 9.65  | 122 | 58647  | 100.574 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 9.89  | 93  | 85313  | 101.190 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.12 | 162 | 68721  | 100.159 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.33 | 180 | 74835  | 95.696  | ng | 99     |
| 31) Naphthalene                | 10.52 | 128 | 223578 | 104.350 | ng | 100    |
| 32) Benzoic acid               | 9.89  | 122 | 52674  | 92.793  | ng | 97     |
| 33) 4-Chloroaniline            | 10.64 | 127 | 92387  | 96.641  | ng | 100    |
| 34) Hexachlorobutadiene        | 10.78 | 225 | 48263  | 103.066 | ng | 99     |
| 35) Caprolactam                | 11.48 | 113 | 24189m | 99.978  | ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.78 | 107 | 73685  | 101.380 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.13 | 142 | 157788 | 103.115 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.36 | 142 | 153314 | 103.440 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.50 | 216 | 87710  | 96.723  | ng | 100    |

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|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.47 | 237  | 49928    | 101.120 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 12.76 | 196  | 55754    | 99.018  | ng    | 98       |
| 44) 2,4,5-Trichlorophenol      | 12.83 | 196  | 60844    | 101.300 | ng    | 98       |
| 46) 1,1'-Biphenyl              | 13.16 | 154  | 204764   | 91.645  | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.20 | 162  | 158527   | 94.302  | ng    | 99       |
| 48) 2-Nitroaniline             | 13.43 | 65   | 43679    | 104.281 | ng    | 97       |
| 49) Acenaphthylene             | 14.05 | 152  | 263960   | 106.435 | ng    | 99       |
| 50) Dimethylphthalate          | 13.80 | 163  | 203664   | 103.054 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 13.93 | 165  | 47156    | 102.225 | ng    | 99       |
| 52) Acenaphthene               | 14.40 | 154  | 148330   | 98.619  | ng    | 99       |
| 53) 3-Nitroaniline             | 14.26 | 138  | 48283    | 97.906  | ng    | 98       |
| 54) 2,4-Dinitrophenol          | 14.47 | 184  | 29592    | 112.952 | ng    | 100      |
| 55) Dibenzofuran               | 14.73 | 168  | 235648   | 95.109  | ng    | 100      |
| 56) 4-Nitrophenol              | 14.58 | 139  | 40399    | 107.218 | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 14.72 | 165  | 64274    | 103.084 | ng    | 97       |
| 58) Fluorene                   | 15.39 | 166  | 189151   | 103.317 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.96 | 232  | 57720    | 106.478 | ng    | # 98     |
| 60) Diethylphthalate           | 15.16 | 149  | 201404   | 96.319  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.37 | 204  | 98892    | 91.752  | ng    | 98       |
| 62) 4-Nitroaniline             | 15.44 | 138  | 48998    | 99.007  | ng    | 99       |
| 63) Azobenzene                 | 15.67 | 77   | 166309   | 97.440  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.48 | 198  | 39002    | 96.738  | ng    | 96       |
| 66) n-Nitrosodiphenylamine     | 15.60 | 169  | 166767   | 94.884  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.27 | 248  | 68618    | 98.037  | ng    | 98       |
| 68) Hexachlorobenzene          | 16.38 | 284  | 80181    | 98.427  | ng    | 98       |
| 69) Atrazine                   | 16.55 | 200  | 60927    | 92.673  | ng    | 99       |
| 70) Pentachlorophenol          | 16.73 | 266  | 46727    | 86.063  | ng    | 99       |
| 71) Phenanthrene               | 17.12 | 178  | 299011   | 103.147 | ng    | 100      |
| 72) Anthracene                 | 17.22 | 178  | 299163   | 105.581 | ng    | 100      |
| 73) Carbazole                  | 17.49 | 167  | 271475   | 97.624  | ng    | 100      |
| 74) Di-n-butylphthalate        | 18.04 | 149  | 337736   | 102.928 | ng    | 100      |
| 75) Fluoranthene               | 19.15 | 202  | 341406   | 109.253 | ng    | 99       |
| 77) Benzidine                  | 19.34 | 184  | 123781   | 70.060  | ng    | # 95     |
| 78) Pyrene                     | 19.51 | 202  | 343662   | 99.655  | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.40 | 149  | 142948   | 96.720  | ng    | 97       |
| 81) Benzo(a)anthracene         | 21.26 | 228  | 309751   | 106.586 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.20 | 252  | 105804   | 87.358  | ng    | 99       |
| 83) Chrysene                   | 21.32 | 228  | 291556   | 104.898 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 196698   | 91.774  | ng    | 99       |
| 85) Di-n-octyl phthalate       | 22.06 | 149  | 305138   | 95.860  | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 25.80 | 276  | 318034   | 108.390 | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 22.85 | 252  | 290023   | 111.263 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 22.90 | 252  | 256771   | 98.991  | ng    | 99       |
| 90) Benzo(a)pyrene             | 23.43 | 252  | 260299   | 107.776 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 25.81 | 278  | 261082   | 106.156 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 26.49 | 276  | 259427   | 108.471 | ng    | 99       |

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

