

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102918\  
 Data File : BM017402.D  
 Acq On : 29 Oct 2018 11:23  
 Operator : MJ/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

Sohil  
 10/30/2018 4:43:01 PM

Quant Time: Oct 29 15:14:01 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM101718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 29 15:08:36 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 256790   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.42 | 136  | 1202063  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.29 | 164  | 720055   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.05 | 188  | 1704620  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.24 | 240  | 1936280  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.45 | 264  | 1698141  | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.26  | 112 | 1188409 | 78.27 | ng | 0.00 |
| 7) Phenol-d6             | 6.83  | 99  | 1734799 | 83.90 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.80  | 82  | 1732316 | 84.28 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.79 | 330 | 870777  | 89.42 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 12.90 | 172 | 4263409 | 78.78 | ng | 0.00 |
| 79) Terphenyl-d14        | 19.69 | 244 | 7054317 | 82.12 | ng | 0.00 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.25  | 88  | 254714  | 32.854 | ng | # 87   |
| 3) Pyridine                    | 3.63  | 79  | 680298  | 38.136 | ng | 88     |
| 4) n-Nitrosodimethylamine      | 3.55  | 42  | 263237  | 36.758 | ng | # 73   |
| 6) Aniline                     | 6.99  | 93  | 1082607 | 41.858 | ng | 98     |
| 8) 2-Chlorophenol              | 7.22  | 128 | 739078  | 42.078 | ng | 98     |
| 9) Benzaldehyde                | 6.80  | 77  | 483100  | 36.641 | ng | 96     |
| 10) Phenol                     | 6.86  | 94  | 908833  | 40.838 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.09  | 93  | 706632  | 39.831 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 7.53  | 146 | 802384  | 39.188 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 7.68  | 146 | 825174  | 39.446 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.99  | 146 | 800319  | 39.708 | ng | 99     |
| 15) Benzyl Alcohol             | 7.89  | 79  | 682429  | 45.151 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.18  | 45  | 944093  | 38.091 | ng | 98     |
| 17) 2-Methylphenol             | 8.09  | 107 | 619309  | 43.356 | ng | 98     |
| 18) Hexachloroethane           | 8.71  | 117 | 286999  | 40.089 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 8.46  | 70  | 595420  | 43.731 | ng | 97     |
| 20) 3+4-Methylphenols          | 8.42  | 107 | 871475  | 44.606 | ng | 99     |
| 22) Acetophenone               | 8.47  | 105 | 1170412 | 38.411 | ng | # 100  |
| 24) Nitrobenzene               | 8.85  | 77  | 870176  | 40.025 | ng | 96     |
| 25) Isophorone                 | 9.37  | 82  | 1411111 | 41.578 | ng | 99     |
| 26) 2-Nitrophenol              | 9.55  | 139 | 444376  | 44.188 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 9.61  | 122 | 634211  | 42.260 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 9.85  | 93  | 958855  | 40.140 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 10.07 | 162 | 746342  | 42.833 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.29 | 180 | 822393  | 39.344 | ng | 99     |
| 31) Naphthalene                | 10.47 | 128 | 2297866 | 39.008 | ng | 99     |
| 32) Benzoic acid               | 9.77  | 122 | 567835m | 50.711 | ng |        |
| 33) 4-Chloroaniline            | 10.59 | 127 | 1072253 | 42.145 | ng | 98     |
| 34) Hexachlorobutadiene        | 10.75 | 225 | 503688  | 38.031 | ng | 97     |
| 35) Caprolactam                | 11.40 | 113 | 286191  | 45.068 | ng | 92     |
| 36) 4-Chloro-3-methylphenol    | 11.72 | 107 | 854052  | 43.483 | ng | 97     |
| 37) 2-Methylnaphthalene        | 12.09 | 142 | 1665085 | 41.306 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.31 | 142 | 1629108 | 41.523 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.46 | 216 | 1005162 | 39.639 | ng | 99     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.44 | 237  | 459370   | 37.472 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 12.71 | 196  | 650395   | 44.183 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 12.79 | 196  | 682807   | 43.257 | ng    | 98       |
| 46) 1,1'-Biphenyl              | 13.12 | 154  | 2532184  | 39.078 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.16 | 162  | 1888428  | 39.615 | ng    | 99       |
| 48) 2-Nitroaniline             | 13.37 | 65   | 570427   | 43.025 | ng    | 94       |
| 49) Acenaphthylene             | 14.01 | 152  | 2872840  | 41.577 | ng    | 100      |
| 50) Dimethylphthalate          | 13.76 | 163  | 2311138  | 41.603 | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 13.88 | 165  | 529908   | 43.340 | ng    | 98       |
| 52) Acenaphthene               | 14.36 | 154  | 1737152  | 40.041 | ng    | 99       |
| 53) 3-Nitroaniline             | 14.22 | 138  | 585928   | 44.247 | ng    | 98       |
| 54) 2,4-Dinitrophenol          | 14.42 | 184  | 277611   | 42.949 | ng    | 97       |
| 55) Dibenzofuran               | 14.69 | 168  | 2834718  | 39.291 | ng    | 99       |
| 56) 4-Nitrophenol              | 14.53 | 139  | 447169   | 39.584 | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 14.67 | 165  | 745724   | 45.378 | ng    | 99       |
| 58) Fluorene                   | 15.35 | 166  | 2184899  | 40.915 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.92 | 232  | 637440   | 44.302 | ng    | 100      |
| 60) Diethylphthalate           | 15.13 | 149  | 2365468  | 42.936 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.35 | 204  | 1232333  | 40.479 | ng    | 99       |
| 62) 4-Nitroaniline             | 15.39 | 138  | 618573   | 42.465 | ng    | 99       |
| 63) Azobenzene                 | 15.64 | 77   | 2176767  | 40.650 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.44 | 198  | 465740   | 43.343 | ng    | 99       |
| 66) n-Nitrosodiphenylamine     | 15.56 | 169  | 2108520  | 40.884 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.24 | 248  | 781151   | 41.735 | ng    | 96       |
| 68) Hexachlorobenzene          | 16.35 | 284  | 866191   | 39.840 | ng    | 98       |
| 69) Atrazine                   | 16.53 | 200  | 748775   | 40.566 | ng    | 98       |
| 70) Pentachlorophenol          | 16.70 | 266  | 632917   | 42.496 | ng    | 99       |
| 71) Phenanthrene               | 17.09 | 178  | 3586367  | 38.995 | ng    | 100      |
| 72) Anthracene                 | 17.18 | 178  | 3590506  | 41.087 | ng    | 100      |
| 73) Carbazole                  | 17.46 | 167  | 3706298  | 41.519 | ng    | 100      |
| 74) Di-n-butylphthalate        | 18.02 | 149  | 4087767  | 43.417 | ng    | 99       |
| 75) Fluoranthene               | 19.11 | 202  | 4300078  | 41.551 | ng    | 99       |
| 77) Benzidine                  | 19.30 | 184  | 2016035  | 41.062 | ng    | 99       |
| 78) Pyrene                     | 19.47 | 202  | 4510047  | 41.675 | ng    | 100      |
| 80) Butylbenzylphthalate       | 20.39 | 149  | 1928953  | 47.014 | ng    | 96       |
| 81) Benzo(a)anthracene         | 21.23 | 228  | 4391129  | 40.299 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.17 | 252  | 1759240  | 43.320 | ng    | 100      |
| 83) Chrysene                   | 21.28 | 228  | 4261482  | 39.513 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.16 | 149  | 2674850  | 43.067 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 22.04 | 149  | 4678959  | 44.318 | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 25.66 | 276  | 3581418m | 29.689 | ng    |          |
| 88) Benzo(b)fluoranthene       | 22.79 | 252  | 3882308  | 41.816 | ng    | 100      |
| 89) Benzo(k)fluoranthene       | 22.83 | 252  | 4011686  | 43.062 | ng    | 99       |
| 90) Benzo(a)pyrene             | 23.36 | 252  | 3597981  | 40.816 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 25.67 | 278  | 3037058  | 34.697 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 26.33 | 276  | 2790183m | 32.162 | ng    |          |

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

