

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\  
 Data File : BF115551.D  
 Acq On : 15 Jul 2019 8:30  
 Operator : HP/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Jul 16 01:50:02 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 12 14:03:52 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.89  | 152  | 272652   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.17  | 136  | 1133538  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.93  | 164  | 553726   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.41 | 188  | 1050538  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.04 | 240  | 629271   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.52 | 264  | 560884   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.51  | 112  | 1212278  | 72.73 | ng    | 0.00     |
| 7) Phenol-d6                | 6.52  | 99   | 1595283  | 75.42 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 1510524  | 77.48 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.72 | 330  | 504859   | 78.11 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.25  | 172  | 2472179  | 78.14 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.99 | 244  | 2595742  | 76.11 | ng    | 0.00     |

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 2.69 | 88   | 303236   | 36.470 | ng    | 99     |
| 3) Pyridine                    | 3.45 | 79   | 810059   | 35.909 | ng    | 100    |
| 4) n-Nitrosodimethylamine      | 3.41 | 42   | 309871   | 37.864 | ng    | 100    |
| 6) Aniline                     | 6.56 | 93   | 1143306  | 38.843 | ng    | 99     |
| 8) 2-Chlorophenol              | 6.67 | 128  | 740710   | 38.650 | ng    | 99     |
| 9) Benzaldehyde                | 6.43 | 77   | 460275   | 34.824 | ng    | 99     |
| 10) Phenol                     | 6.53 | 94   | 916893   | 37.343 | ng    | 94     |
| 11) bis(2-Chloroethyl)ether    | 6.62 | 93   | 716561   | 38.332 | ng    | 99     |
| 12) 1,3-Dichlorobenzene        | 6.83 | 146  | 808666   | 37.530 | ng    | 98     |
| 13) 1,4-Dichlorobenzene        | 6.90 | 146  | 815953   | 37.954 | ng    | 98     |
| 14) 1,2-Dichlorobenzene        | 7.06 | 146  | 746857   | 38.003 | ng    | 96     |
| 15) Benzyl Alcohol             | 7.03 | 79   | 666105   | 39.700 | ng    | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.16 | 45   | 957954   | 38.924 | ng    | 98     |
| 17) 2-Methylphenol             | 7.14 | 107  | 647797   | 39.223 | ng    | 100    |
| 18) Hexachloroethane           | 7.40 | 117  | 303431   | 38.026 | ng    | 99     |
| 19) n-Nitroso-di-n-propylamine | 7.31 | 70   | 537414   | 38.959 | ng    | 99     |
| 20) 3+4-Methylphenols          | 7.29 | 107  | 716096   | 36.503 | ng    | 94     |
| 22) Acetophenone               | 7.30 | 105  | 973419   | 38.012 | ng    | 98     |
| 24) Nitrobenzene               | 7.47 | 77   | 827693   | 39.364 | ng    | 96     |
| 25) Isophorone                 | 7.72 | 82   | 1519458  | 38.952 | ng    | 99     |
| 26) 2-Nitrophenol              | 7.79 | 139  | 431990   | 39.915 | ng    | 94     |
| 27) 2,4-Dimethylphenol         | 7.82 | 122  | 623694   | 38.516 | ng    | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93   | 936838   | 39.147 | ng    | 99     |
| 29) 2,4-Dichlorophenol         | 8.03 | 162  | 661083   | 39.254 | ng    | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.11 | 180  | 738480   | 38.793 | ng    | 100    |
| 31) Naphthalene                | 8.19 | 128  | 2068028  | 37.671 | ng    | 99     |
| 32) Benzoic acid               | 7.97 | 122  | 487240   | 36.664 | ng    | 99     |
| 33) 4-Chloroaniline            | 8.23 | 127  | 944230   | 38.830 | ng    | 99     |
| 34) Hexachlorobutadiene        | 8.31 | 225  | 427619   | 39.171 | ng    | 100    |
| 35) Caprolactam                | 8.63 | 113  | 210183m  | 40.388 | ng    |        |
| 36) 4-Chloro-3-methylphenol    | 8.72 | 107  | 681751   | 39.026 | ng    | 99     |
| 37) 2-Methylnaphthalene        | 8.89 | 142  | 1395716  | 38.355 | ng    | 97     |
| 38) 1-Methylnaphthalene        | 8.98 | 142  | 1325800  | 38.357 | ng    | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.05 | 216  | 644886   | 38.675 | ng    | 98     |

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 QLast Update : Fri Jul 12 14:03:52 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.04  | 237  | 370541   | 38.956 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 9.16  | 196  | 482745   | 39.589 | ng    | 97       |
| 44) 2,4,5-Trichlorophenol      | 9.20  | 196  | 501938   | 40.194 | ng    | 97       |
| 46) 1,1'-Biphenyl              | 9.35  | 154  | 1643088  | 37.956 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.37  | 162  | 1397552  | 38.772 | ng    | 99       |
| 48) 2-Nitroaniline             | 9.46  | 65   | 442707   | 39.681 | ng    | 98       |
| 49) Acenaphthylene             | 9.79  | 152  | 2033572  | 38.075 | ng    | 98       |
| 50) Dimethylphthalate          | 9.65  | 163  | 1632101  | 39.176 | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.71  | 165  | 377236   | 39.845 | ng    | 95       |
| 52) Acenaphthene               | 9.96  | 154  | 1325977  | 38.454 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.88  | 138  | 430623   | 39.802 | ng    | 97       |
| 54) 2,4-Dinitrophenol          | 9.98  | 184  | 203846   | 41.936 | ng    | 97       |
| 55) Dibenzofuran               | 10.13 | 168  | 1796384  | 36.684 | ng    | 98       |
| 56) 4-Nitrophenol              | 10.03 | 139  | 322907   | 39.139 | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 10.12 | 165  | 495509   | 40.398 | ng    | # 87     |
| 58) Fluorene                   | 10.47 | 166  | 1321666  | 37.754 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.25 | 232  | 414679   | 39.723 | ng    | 100      |
| 60) Diethylphthalate           | 10.35 | 149  | 1524620  | 39.059 | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.46 | 204  | 695625   | 35.832 | ng    | 95       |
| 62) 4-Nitroaniline             | 10.50 | 138  | 422941   | 40.754 | ng    | 98       |
| 63) Azobenzene                 | 10.63 | 77   | 1460817  | 38.583 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 259691   | 40.460 | ng    | 98       |
| 66) n-Nitrosodiphenylamine     | 10.59 | 169  | 1237160  | 37.859 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.96 | 248  | 466867   | 38.889 | ng    | 95       |
| 68) Hexachlorobenzene          | 11.03 | 284  | 532759   | 38.859 | ng    | 97       |
| 69) Atrazine                   | 11.11 | 200  | 389659   | 36.348 | ng    | 99       |
| 70) Pentachlorophenol          | 11.22 | 266  | 337305   | 40.226 | ng    | 100      |
| 71) Phenanthrene               | 11.44 | 178  | 2012128  | 37.366 | ng    | 98       |
| 72) Anthracene                 | 11.49 | 178  | 2042559  | 36.703 | ng    | 99       |
| 73) Carbazole                  | 11.64 | 167  | 1851663  | 37.942 | ng    | 100      |
| 74) Di-n-butylphthalate        | 11.97 | 149  | 2219256  | 36.918 | ng    | 98       |
| 75) Fluoranthene               | 12.62 | 202  | 2097948  | 36.868 | ng    | 97       |
| 77) Benzidine                  | 12.73 | 184  | 870200   | 39.036 | ng    | 99       |
| 78) Pyrene                     | 12.85 | 202  | 2104103  | 39.466 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.46 | 149  | 902658   | 39.716 | ng    | 98       |
| 81) Benzo(a)anthracene         | 14.04 | 228  | 1602319  | 38.651 | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine     | 14.00 | 252  | 591416   | 40.130 | ng    | # 98     |
| 83) Chrysene                   | 14.07 | 228  | 1595345  | 38.334 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 14.03 | 149  | 1091220  | 38.762 | ng    | 100      |
| 85) Di-n-octyl phthalate       | 14.64 | 149  | 1701671  | 37.990 | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 17.00 | 276  | 1405678  | 39.757 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 15.09 | 252  | 1463129  | 40.512 | ng    | 100      |
| 89) Benzo(k)fluoranthene       | 15.12 | 252  | 1181494  | 36.693 | ng    | 98       |
| 90) Benzo(a)pyrene             | 15.46 | 252  | 1199592  | 38.645 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 17.02 | 278  | 1139884  | 41.828 | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.45 | 276  | 1144759  | 42.120 | ng    | 99       |

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

