

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\  
 Data File : BF108288.D  
 Acq On : 20 Aug 2018 14:25  
 Operator : JU/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

Quant Time: Aug 20 15:08:25 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 08 12:24:24 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.02  | 152  | 167247   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.30  | 136  | 661255   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.07 | 164  | 335144   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.56 | 188  | 676314   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.22 | 240  | 513942   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.78 | 264  | 378723   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.64  | 112 | 749245  | 81.11 | ng | 0.01 |
| 7) Phenol-d6             | 6.64  | 99  | 995661  | 81.11 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.58  | 82  | 947804  | 79.98 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.86 | 330 | 305411  | 91.36 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.38  | 172 | 1762963 | 84.45 | ng | 0.00 |
| 78) Terphenyl-d14        | 13.15 | 244 | 1803316 | 89.21 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.91 | 88  | 174026  | 36.662 | ng | 91     |
| 3) Pyridine                    | 3.69 | 79  | 456069  | 37.298 | ng | 89     |
| 4) n-Nitrosodimethylamine      | 3.65 | 42  | 236756  | 34.410 | ng | 84     |
| 6) Aniline                     | 6.68 | 93  | 667291  | 39.963 | ng | 98     |
| 8) 2-Chlorophenol              | 6.80 | 128 | 427324  | 41.072 | ng | 94     |
| 9) Benzaldehyde                | 6.57 | 77  | 356481  | 37.455 | ng | 96     |
| 10) Phenol                     | 6.65 | 94  | 514030  | 40.481 | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 6.75 | 93  | 410290  | 39.967 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 6.96 | 146 | 491146  | 40.826 | ng | 100    |
| 13) 1,4-Dichlorobenzene        | 7.04 | 146 | 489406  | 40.491 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.19 | 146 | 455144  | 40.483 | ng | 98     |
| 15) Benzyl Alcohol             | 7.15 | 79  | 358955  | 34.734 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.28 | 45  | 762404  | 36.050 | ng | 99     |
| 17) 2-Methylphenol             | 7.26 | 107 | 379901  | 42.579 | ng | 96     |
| 18) Hexachloroethane           | 7.53 | 117 | 175608  | 40.809 | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 7.42 | 70  | 315774  | 38.039 | ng | 92     |
| 20) 3+4-Methylphenols          | 7.41 | 107 | 459397  | 40.179 | ng | 88     |
| 22) Acetophenone               | 7.42 | 105 | 610265  | 39.469 | ng | # 94   |
| 24) Nitrobenzene               | 7.60 | 77  | 480554  | 40.103 | ng | 96     |
| 25) Isophorone                 | 7.84 | 82  | 857917  | 37.983 | ng | 98     |
| 26) 2-Nitrophenol              | 7.91 | 139 | 205783  | 45.473 | ng | 89     |
| 27) 2,4-Dimethylphenol         | 7.94 | 122 | 401721  | 40.073 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 8.04 | 93  | 520037  | 39.440 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 8.15 | 162 | 379471  | 41.133 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.24 | 180 | 404532  | 39.772 | ng | 95     |
| 31) Naphthalene                | 8.32 | 128 | 1234975 | 41.067 | ng | 99     |
| 32) Benzoic acid               | 8.05 | 122 | 157127  | 29.623 | ng | 94     |
| 33) 4-Chloroaniline            | 8.37 | 127 | 523243  | 39.926 | ng | 96     |
| 34) Hexachlorobutadiene        | 8.43 | 225 | 264245  | 41.038 | ng | 97     |
| 35) Caprolactam                | 8.74 | 113 | 117213  | 40.544 | ng | # 81   |
| 36) 4-Chloro-3-methylphenol    | 8.84 | 107 | 396973  | 39.888 | ng | 97     |
| 37) 2-Methylnaphthalene        | 9.01 | 142 | 852092  | 40.048 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.18 | 216 | 435155  | 42.281 | ng | 97     |
| 40) Hexachlorocyclopentadiene  | 9.16 | 237 | 220523  | 33.173 | ng | 98     |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.29  | 196  | 270849   | 42.409 | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.33  | 196  | 310469   | 44.160 | ng    | 95       |
| 45) 1,1'-Biphenyl              | 9.48  | 154  | 1029946  | 41.681 | ng    | 100      |
| 46) 2-Chloronaphthalene        | 9.51  | 162  | 813174   | 41.637 | ng    | 99       |
| 47) 2-Nitroaniline             | 9.60  | 65   | 272017   | 43.046 | ng    | 87       |
| 48) Acenaphthylene             | 9.93  | 152  | 1293678  | 41.900 | ng    | 100      |
| 49) Dimethylphthalate          | 9.78  | 163  | 955051   | 40.909 | ng    | # 99     |
| 50) 2,6-Dinitrotoluene         | 9.84  | 165  | 211371   | 43.275 | ng    | 94       |
| 51) Acenaphthene               | 10.10 | 154  | 784466   | 41.482 | ng    | 99       |
| 52) 3-Nitroaniline             | 10.02 | 138  | 225150   | 42.131 | ng    | 98       |
| 53) 2,4-Dinitrophenol          | 10.12 | 184  | 72103    | 43.004 | ng    | # 20     |
| 54) Dibenzofuran               | 10.27 | 168  | 1138887  | 41.568 | ng    | 98       |
| 55) 4-Nitrophenol              | 10.17 | 139  | 159792   | 39.486 | ng    | 86       |
| 56) 2,4-Dinitrotoluene         | 10.25 | 165  | 284690   | 45.282 | ng    | # 99     |
| 57) Fluorene                   | 10.62 | 166  | 906029   | 41.774 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.39 | 232  | 260725   | 44.369 | ng    | # 86     |
| 59) Diethylphthalate           | 10.47 | 149  | 928879   | 41.089 | ng    | 97       |
| 60) 4-Chlorophenyl-phenylether | 10.60 | 204  | 465665   | 41.204 | ng    | 93       |
| 61) 4-Nitroaniline             | 10.64 | 138  | 231299   | 43.777 | ng    | 96       |
| 62) Azobenzene                 | 10.77 | 77   | 933849   | 40.000 | ng    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 10.66 | 198  | 101633   | 40.917 | ng    | 89       |
| 65) n-Nitrosodiphenylamine     | 10.72 | 169  | 824310   | 41.245 | ng    | 96       |
| 66) 4-Bromophenyl-phenylether  | 11.09 | 248  | 304942   | 41.490 | ng    | # 87     |
| 67) Hexachlorobenzene          | 11.17 | 284  | 316253   | 40.896 | ng    | # 88     |
| 68) Atrazine                   | 11.24 | 200  | 280461   | 41.839 | ng    | 95       |
| 69) Pentachlorophenol          | 11.36 | 266  | 132276   | 35.737 | ng    | 97       |
| 70) Phenanthrene               | 11.59 | 178  | 1339350  | 41.987 | ng    | 99       |
| 71) Anthracene                 | 11.64 | 178  | 1372671  | 41.985 | ng    | 98       |
| 72) Carbazole                  | 11.79 | 167  | 1208364  | 41.599 | ng    | 99       |
| 73) Di-n-butylphthalate        | 12.10 | 149  | 1418640  | 43.117 | ng    | 99       |
| 74) Fluoranthene               | 12.78 | 202  | 1453233  | 41.743 | ng    | 95       |
| 76) Benzidine                  | 12.90 | 184  | 816080   | 42.499 | ng    | 99       |
| 77) Pyrene                     | 13.01 | 202  | 1450540  | 44.580 | ng    | 98       |
| 79) Butylbenzylphthalate       | 13.61 | 149  | 593919   | 45.968 | ng    | 96       |
| 80) Benzo(a)anthracene         | 14.21 | 228  | 1234618  | 41.859 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.17 | 252  | 428511   | 40.539 | ng    | # 96     |
| 82) Chrysene                   | 14.24 | 228  | 1129488  | 41.770 | ng    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 14.17 | 149  | 729434   | 41.690 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 14.79 | 149  | 1143026  | 42.836 | ng    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.41 | 276  | 853384   | 36.423 | ng    | # 90     |
| 87) Benzo(b)fluoranthene       | 15.31 | 252  | 988517   | 43.681 | ng    | 96       |
| 88) Benzo(k)fluoranthene       | 15.34 | 252  | 893117   | 42.933 | ng    | # 96     |
| 89) Benzo(a)pyrene             | 15.71 | 252  | 855889   | 42.235 | ng    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 17.42 | 278  | 717301   | 42.780 | ng    | # 94     |
| 91) Benzo(g,h,i)perylene       | 17.90 | 276  | 700175   | 42.408 | ng    | # 90     |

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

