

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110619\  
 Data File : BF117697.D  
 Acq On : 6 Nov 2019 13:27  
 Operator : JU  
 Sample : SSTDICCC040  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICCC040

Manual Integrations  
 APPROVED

Sohil  
 11/8/2019 3:30:30 PM

Quant Time: Nov 06 14:18:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 06 14:03:21 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.94  | 152  | 389055   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.23  | 136  | 1472755  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.99  | 164  | 779538   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.47 | 188  | 1423622  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.13 | 240  | 978543   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.63 | 264  | 914042   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.55  | 112 | 1670469 | 70.87 | ng | 0.00 |
| 7) Phenol-d6             | 6.56  | 99  | 2059093 | 70.74 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.50  | 82  | 1915148 | 80.11 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.77 | 330 | 593072  | 78.06 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.30  | 172 | 3318789 | 81.65 | ng | 0.00 |
| 79) Terphenyl-d14        | 13.07 | 244 | 3618829 | 76.80 | ng | 0.00 |

## Target Compounds

|                                |      |     |          |        |    | Qvalue |
|--------------------------------|------|-----|----------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.76 | 88  | 412755   | 37.587 | ng | 100    |
| 3) Pyridine                    | 3.52 | 79  | 1131575  | 38.175 | ng | 100    |
| 4) n-Nitrosodimethylamine      | 3.48 | 42  | 499300   | 37.193 | ng | 100    |
| 6) Aniline                     | 6.60 | 93  | 1442934  | 36.533 | ng | 100    |
| 8) 2-Chlorophenol              | 6.72 | 128 | 939113   | 38.835 | ng | 100    |
| 9) Benzaldehyde                | 6.49 | 77  | 735069   | 47.995 | ng | 100    |
| 10) Phenol                     | 6.57 | 94  | 1100423m | 37.858 | ng |        |
| 11) bis(2-Chloroethyl)ether    | 6.67 | 93  | 920092   | 38.564 | ng | 100    |
| 12) 1,3-Dichlorobenzene        | 6.88 | 146 | 1081454  | 38.737 | ng | 100    |
| 13) 1,4-Dichlorobenzene        | 6.96 | 146 | 1086844  | 38.764 | ng | 100    |
| 14) 1,2-Dichlorobenzene        | 7.11 | 146 | 1006552  | 39.188 | ng | 100    |
| 15) Benzyl Alcohol             | 7.07 | 79  | 828645   | 38.799 | ng | 100    |
| 16) 2,2'-oxybis(1-Chloropropan | 7.21 | 45  | 1460990  | 38.484 | ng | 100    |
| 17) 2-Methylphenol             | 7.18 | 107 | 790998   | 37.895 | ng | 100    |
| 18) Hexachloroethane           | 7.46 | 117 | 397867   | 38.308 | ng | 100    |
| 19) n-Nitroso-di-n-propylamine | 7.35 | 70  | 671262   | 37.903 | ng | 100    |
| 20) 3+4-Methylphenols          | 7.33 | 107 | 969427   | 39.370 | ng | 100    |
| 22) Acetophenone               | 7.35 | 105 | 1294916  | 39.039 | ng | 100    |
| 24) Nitrobenzene               | 7.52 | 77  | 1011496  | 41.103 | ng | 100    |
| 25) Isophorone                 | 7.76 | 82  | 1793032  | 39.123 | ng | 100    |
| 26) 2-Nitrophenol              | 7.83 | 139 | 469373   | 43.350 | ng | 100    |
| 27) 2,4-Dimethylphenol         | 7.87 | 122 | 777303   | 39.678 | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 7.97 | 93  | 1165808  | 40.286 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 8.07 | 162 | 814166   | 41.273 | ng | 100    |
| 30) 1,2,4-Trichlorobenzene     | 8.16 | 180 | 936316   | 41.412 | ng | 100    |
| 31) Naphthalene                | 8.25 | 128 | 2628738  | 41.053 | ng | 100    |
| 32) Benzoic acid               | 7.98 | 122 | 589843   | 40.398 | ng | 100    |
| 33) 4-Chloroaniline            | 8.29 | 127 | 1204848  | 39.868 | ng | 100    |
| 34) Hexachlorobutadiene        | 8.36 | 225 | 537034   | 41.498 | ng | 100    |
| 35) Caprolactam                | 8.66 | 113 | 258740   | 38.798 | ng | 100    |
| 36) 4-Chloro-3-methylphenol    | 8.76 | 107 | 810571   | 40.375 | ng | 100    |
| 37) 2-Methylnaphthalene        | 8.94 | 142 | 1789518  | 41.169 | ng | 100    |
| 38) 1-Methylnaphthalene        | 9.04 | 142 | 1703705  | 41.374 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.10 | 216 | 838241   | 40.582 | ng | 100    |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.09  | 237  | 451589   | 39.600 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol      | 9.21  | 196  | 599229   | 42.042 | ng    | 100      |
| 44) 2,4,5-Trichlorophenol      | 9.25  | 196  | 616477   | 42.996 | ng    | 100      |
| 46) 1,1'-Biphenyl              | 9.40  | 154  | 2146154  | 39.724 | ng    | 100      |
| 47) 2-Chloronaphthalene        | 9.43  | 162  | 1777205  | 41.196 | ng    | 100      |
| 48) 2-Nitroaniline             | 9.52  | 65   | 549578   | 42.374 | ng    | 100      |
| 49) Acenaphthylene             | 9.85  | 152  | 2592803  | 40.821 | ng    | 100      |
| 50) Dimethylphthalate          | 9.70  | 163  | 2039836  | 41.188 | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.76  | 165  | 457163   | 42.446 | ng    | 100      |
| 52) Acenaphthene               | 10.02 | 154  | 1663806  | 41.516 | ng    | 100      |
| 53) 3-Nitroaniline             | 9.93  | 138  | 547585   | 41.771 | ng    | 100      |
| 54) 2,4-Dinitrophenol          | 10.03 | 184  | 150837   | 43.258 | ng    | 100      |
| 55) Dibenzofuran               | 10.19 | 168  | 2356053  | 41.768 | ng    | 100      |
| 56) 4-Nitrophenol              | 10.07 | 139  | 415944   | 42.817 | ng    | 100      |
| 57) 2,4-Dinitrotoluene         | 10.17 | 165  | 592601   | 43.815 | ng    | 100      |
| 58) Fluorene                   | 10.54 | 166  | 1724247  | 41.232 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.30 | 232  | 509764   | 44.178 | ng    | 100      |
| 60) Diethylphthalate           | 10.40 | 149  | 2027086  | 41.719 | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 10.53 | 204  | 901381   | 41.675 | ng    | 100      |
| 62) 4-Nitroaniline             | 10.55 | 138  | 538922   | 42.196 | ng    | 100      |
| 63) Azobenzene                 | 10.69 | 77   | 1917163  | 41.084 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylphenol | 10.57 | 198  | 216082   | 42.150 | ng    | 100      |
| 66) n-Nitrosodiphenylamine     | 10.65 | 169  | 1625336  | 39.356 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether  | 11.02 | 248  | 601162   | 39.917 | ng    | 100      |
| 68) Hexachlorobenzene          | 11.09 | 284  | 689781   | 39.490 | ng    | 100      |
| 69) Atrazine                   | 11.17 | 200  | 534783   | 62.661 | ng    | 100      |
| 70) Pentachlorophenol          | 11.27 | 266  | 390442   | 44.117 | ng    | 100      |
| 71) Phenanthrene               | 11.50 | 178  | 2633938  | 39.447 | ng    | 100      |
| 72) Anthracene                 | 11.56 | 178  | 2632964  | 39.240 | ng    | 100      |
| 73) Carbazole                  | 11.70 | 167  | 2423097  | 39.500 | ng    | 100      |
| 74) Di-n-butylphthalate        | 12.04 | 149  | 2945459  | 40.003 | ng    | 100      |
| 75) Fluoranthene               | 12.69 | 202  | 2713941  | 39.866 | ng    | 100      |
| 77) Benzidine                  | 12.81 | 184  | 1383806  | 71.946 | ng    | 100      |
| 78) Pyrene                     | 12.93 | 202  | 2739255  | 39.822 | ng    | 100      |
| 80) Butylbenzylphthalate       | 13.54 | 149  | 1261642  | 40.357 | ng    | 100      |
| 81) Benzo(a)anthracene         | 14.12 | 228  | 2355698  | 40.847 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 14.07 | 252  | 883004   | 42.467 | ng    | 100      |
| 83) Chrysene                   | 14.16 | 228  | 2328532  | 41.042 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 14.10 | 149  | 1639396  | 40.974 | ng    | 100      |
| 85) Di-n-octyl phthalate       | 14.73 | 149  | 2605550  | 41.982 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 17.17 | 276  | 2003825  | 37.659 | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 15.19 | 252  | 2185319  | 40.313 | ng    | 100      |
| 89) Benzo(k)fluoranthene       | 15.22 | 252  | 2088766  | 41.643 | ng    | 100      |
| 90) Benzo(a)pyrene             | 15.57 | 252  | 1923787  | 40.392 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene     | 17.19 | 278  | 1687528  | 39.805 | ng    | 100      |
| 92) Benzo(g,h,i)perylene       | 17.64 | 276  | 1594068  | 38.473 | ng    | 100      |

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

