

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062519\  
 Data File : BF115177.D  
 Acq On : 25 Jun 2019 8:54  
 Operator : HP/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

mohammad  
 6/26/2019 2:03:00 PM

Quant Time: Jun 26 06:07:02 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 24 04:21:29 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.61  | 152  | 234858   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.90  | 136  | 966798   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.64  | 164  | 478051   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.11 | 188  | 940699   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.74 | 240  | 662957   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 15.09 | 264  | 837554   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.21  | 112 | 1203918 | 79.11 | ng | 0.00 |
| 7) Phenol-d6             | 6.25  | 99  | 1464583 | 79.29 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.18  | 82  | 1295438 | 82.43 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.42 | 330 | 445839  | 88.44 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 8.98  | 172 | 2295883 | 81.58 | ng | 0.00 |
| 79) Terphenyl-d14        | 12.70 | 244 | 2635251 | 84.51 | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.18 | 88  | 277369  | 38.616 | ng | 100    |
| 3) Pyridine                    | 2.84 | 79  | 783416  | 38.698 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 2.78 | 42  | 297684  | 37.509 | ng | 98     |
| 6) Aniline                     | 6.28 | 93  | 988315  | 38.929 | ng | 98     |
| 8) 2-Chlorophenol              | 6.40 | 128 | 699893  | 40.898 | ng | 97     |
| 9) Benzaldehyde                | 6.15 | 77  | 477434  | 39.616 | ng | 99     |
| 10) Phenol                     | 6.27 | 94  | 838132  | 38.734 | ng | 92     |
| 11) bis(2-Chloroethyl)ether    | 6.35 | 93  | 649267  | 40.706 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 6.55 | 146 | 778481  | 40.989 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.63 | 146 | 782714  | 41.098 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 6.79 | 146 | 731128  | 41.454 | ng | 98     |
| 15) Benzyl Alcohol             | 6.76 | 79  | 479600  | 35.655 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.90 | 45  | 930348  | 40.216 | ng | 96     |
| 17) 2-Methylphenol             | 6.88 | 107 | 580591  | 41.102 | ng | 98     |
| 18) Hexachloroethane           | 7.13 | 117 | 281730  | 41.032 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 7.04 | 70  | 458004  | 38.728 | ng | 99     |
| 20) 3+4-Methylphenols          | 7.03 | 107 | 666346  | 40.854 | ng | # 84   |
| 22) Acetophenone               | 7.03 | 105 | 883551  | 39.920 | ng | # 97   |
| 24) Nitrobenzene               | 7.20 | 77  | 712600  | 41.156 | ng | 98     |
| 25) Isophorone                 | 7.44 | 82  | 1268359 | 39.395 | ng | 100    |
| 26) 2-Nitrophenol              | 7.51 | 139 | 385820  | 45.122 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 7.56 | 122 | 570047  | 40.718 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.66 | 93  | 822728  | 40.431 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.75 | 162 | 593804  | 41.100 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 7.84 | 180 | 669912  | 41.978 | ng | 99     |
| 31) Naphthalene                | 7.92 | 128 | 1943640 | 40.955 | ng | 100    |
| 32) Benzoic acid               | 7.68 | 122 | 495487m | 49.582 | ng |        |
| 33) 4-Chloroaniline            | 7.97 | 127 | 883894  | 40.753 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.05 | 225 | 378589  | 43.290 | ng | 99     |
| 35) Caprolactam                | 8.34 | 113 | 193098  | 39.753 | ng | 95     |
| 36) 4-Chloro-3-methylphenol    | 8.45 | 107 | 597899  | 40.864 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.61 | 142 | 1316473 | 41.142 | ng | 99     |
| 38) 1-Methylnaphthalene        | 8.71 | 142 | 1240988 | 40.607 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.78 | 216 | 576204  | 42.654 | ng | 100    |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.77  | 237  | 326534   | 40.764 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 8.88  | 196  | 431773   | 41.400 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 8.92  | 196  | 469762   | 43.739 | ng    | 97       |
| 46) 1,1'-Biphenyl              | 9.07  | 154  | 1539301  | 40.242 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.10  | 162  | 1286532  | 41.464 | ng    | 98       |
| 48) 2-Nitroaniline             | 9.18  | 65   | 386887   | 42.770 | ng    | 98       |
| 49) Acenaphthylene             | 9.51  | 152  | 1970146  | 40.755 | ng    | 100      |
| 50) Dimethylphthalate          | 9.38  | 163  | 1471647  | 41.842 | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.43  | 165  | 345686   | 42.573 | ng    | 98       |
| 52) Acenaphthene               | 9.68  | 154  | 1247607  | 41.244 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.60  | 138  | 407502   | 41.124 | ng    | 100      |
| 54) 2,4-Dinitrophenol          | 9.70  | 184  | 175185   | 45.423 | ng    | 95       |
| 55) Dibenzofuran               | 9.85  | 168  | 1723255  | 39.691 | ng    | 100      |
| 56) 4-Nitrophenol              | 9.75  | 139  | 327207   | 41.189 | ng    | 96       |
| 57) 2,4-Dinitrotoluene         | 9.83  | 165  | 459644   | 43.840 | ng    | 99       |
| 58) Fluorene                   | 10.19 | 166  | 1207197  | 41.207 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 9.97  | 232  | 393692   | 43.715 | ng    | 97       |
| 60) Diethylphthalate           | 10.08 | 149  | 1472572  | 41.652 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.18 | 204  | 601095   | 43.537 | ng    | 97       |
| 62) 4-Nitroaniline             | 10.21 | 138  | 415902   | 41.838 | ng    | 97       |
| 63) Azobenzene                 | 10.34 | 77   | 1339515  | 40.564 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 10.24 | 198  | 224097   | 45.105 | ng    | 89       |
| 66) n-Nitrosodiphenylamine     | 10.30 | 169  | 1188306  | 40.546 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether  | 10.67 | 248  | 432462   | 42.402 | ng    | 94       |
| 68) Hexachlorobenzene          | 10.74 | 284  | 472191   | 42.653 | ng    | 99       |
| 69) Atrazine                   | 10.83 | 200  | 410043   | 43.494 | ng    | 99       |
| 70) Pentachlorophenol          | 10.92 | 266  | 310327   | 44.001 | ng    | 96       |
| 71) Phenanthrene               | 11.14 | 178  | 1974856  | 38.991 | ng    | 100      |
| 72) Anthracene                 | 11.19 | 178  | 2018613  | 39.483 | ng    | 99       |
| 73) Carbazole                  | 11.34 | 167  | 1861367  | 40.771 | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.69 | 149  | 2244757  | 42.550 | ng    | 99       |
| 75) Fluoranthene               | 12.32 | 202  | 2039192  | 40.353 | ng    | 99       |
| 77) Benzidine                  | 12.44 | 184  | 1244848  | 42.287 | ng    | 99       |
| 78) Pyrene                     | 12.54 | 202  | 2123531  | 41.680 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.18 | 149  | 1012432  | 45.029 | ng    | 95       |
| 81) Benzo(a)anthracene         | 13.72 | 228  | 2041693  | 42.920 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 13.69 | 252  | 772973   | 44.998 | ng    | 99       |
| 83) Chrysene                   | 13.77 | 228  | 1874038  | 43.008 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 13.74 | 149  | 1359759  | 46.154 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.35 | 149  | 2294341  | 46.350 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 16.38 | 276  | 2386001  | 46.275 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 14.72 | 252  | 2241760  | 42.896 | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 14.75 | 252  | 1691119  | 36.083 | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.05 | 252  | 1920412  | 40.770 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.39 | 278  | 1915140  | 43.551 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 16.76 | 276  | 1939075  | 43.568 | ng    | 98       |

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

