Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\
Data File : BF086307.D
Acq On : 20 Apr 2016 14:13
Operator : UM/SJ
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ICVBF042016

**Manual Integrations APPROVED**
sohil
4/21/2016 7:09:03 PM

Quant Time: Apr 20 15:07:58 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 20 15:02:43 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.86 | 152 | 260947 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 8.16 | 136 | 1076421 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.90 | 164 | 468383 | 20.00 | ng | | -0.03 |
| 63) Phenanthrene-d10 | 11.39 | 188 | 755215 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 14.02 | 240 | 427455 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 15.45 | 264 | 470825 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 1209321 | 80.86 | ng | | -0.03 |
| 7) Phenol-d6 | 6.50 | 99 | 1497449 | 76.51 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.44 | 82 | 1432692 | 76.23 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.69 | 330 | 292040 | 80.00 | ng | | -0.03 |
| 44) 2-Fluorobiphenyl | 9.23 | 172 | 2026185 | 82.04 | ng | | -0.03 |
| 78) Terphenyl-d14 | 12.97 | 244 | 1337188 | 74.46 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.46 | 88 | 317843 | 39.23 | ng | | 98 |
| 3) Pyridine | 3.20 | 79 | 839694 | 40.48 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.14 | 42 | 291986 | 40.86 | ng | # | 69 |
| 6) Aniline | 6.52 | 93 | 1036199 | 39.34 | ng | | 91 |
| 8) 2-Chlorophenol | 6.65 | 128 | 667178 | 37.55 | ng | | 89 |
| 9) Benzaldehyde | 6.41 | 77 | 551594 | 39.76 | ng | | 92 |
| 10) Phenol | 6.51 | 94 | 920022 | 41.02 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 6.60 | 93 | 746213 | 38.09 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 6.81 | 146 | 761936m | 39.09 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.89 | 146 | 779802 | 37.44 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.04 | 146 | 695964 | 37.67 | ng | | 96 |
| 15) Benzyl Alcohol | 7.01 | 79 | 483690 | 39.78 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45 | 1097849 | 39.83 | ng | | 92 |
| 17) 2-Methylphenol | 7.12 | 107 | 572927 | 38.59 | ng | | 98 |
| 18) Hexachloroethane | 7.38 | 117 | 251767 | 40.56 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70 | 472336 | 39.84 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.28 | 107 | 594495 | 36.91 | ng | # | 79 |
| 22) Acetophenone | 7.28 | 105 | 816349 | 36.10 | ng | # | 87 |
| 24) Nitrobenzene | 7.45 | 77 | 744092 | 37.01 | ng | | 94 |
| 25) Isophorone | 7.69 | 82 | 1312668 | 36.86 | ng | | 99 |
| 26) 2-Nitrophenol | 7.77 | 139 | 385065 | 42.81 | ng | # | 79 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 643134 | 36.46 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93 | 822453 | 39.49 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.01 | 162 | 553914 | 39.82 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.10 | 180 | 563495 | 37.55 | ng | | 96 |
| 31) Naphthalene | 8.18 | 128 | 2016966 | 39.31 | ng | | 97 |
| 32) Benzoic acid | 7.93 | 122 | 424451 | 40.49 | ng | | 93 |
| 33) 4-Chloroaniline | 8.22 | 127 | 845177 | 39.80 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.29 | 225 | 275262 | 36.40 | ng | | 99 |
| 35) Caprolactam | 8.60 | 113 | 186810 | 41.47 | ng | # | 78 |
| 36) 4-Chloro-3-methylphenol | 8.70 | 107 | 617900 | 39.50 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 1169112 | 36.90 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.04 | 216 | 477078 | 38.27 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 9.01 | 237 | 111889 | 37.58 | ng | | 95 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.14 | 196 | 335713 | 38.82 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 9.18 | 196 | 370433 | 39.33 | ng | | 96 |
| 45) 1,1'-Biphenyl | 9.33 | 154 | 1433886 | 38.98 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.36 | 162 | 1130839 | 40.57 | ng | | 95 |
| 47) 2-Nitroaniline | 9.45 | 65 | 381712 | 40.29 | ng | | 88 |
| 48) Acenaphthylene | 9.77 | 152 | 1752915 | 40.27 | ng | | 100 |
| 49) Dimethylphthalate | 9.63 | 163 | 1319780 | 37.01 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.69 | 165 | 288536 | 39.32 | ng | # | 67 |
| 51) Acenaphthene | 9.94 | 154 | 1005525 | 39.38 | ng | | 100 |
| 52) 3-Nitroaniline | 9.86 | 138 | 369929 | 39.64 | ng | | 92 |
| 53) 2,4-Dinitrophenol | 9.96 | 184 | 52928 | 38.32 | ng | # | 65 |
| 54) Dibenzofuran | 10.11 | 168 | 1389071 | 40.01 | ng | | 96 |
| 55) 4-Nitrophenol | 10.02 | 139 | 229953 | 39.74 | ng | # | 75 |
| 56) 2,4-Dinitrotoluene | 10.09 | 165 | 357024 | 39.15 | ng | # | 68 |
| 57) Fluorene | 10.45 | 166 | 1041646 | 40.49 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.22 | 232 | 245153 | 38.79 | ng | | 99 |
| 59) Diethylphthalate | 10.33 | 149 | 1270704 | 36.52 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.44 | 204 | 461481 | 38.73 | ng | | 93 |
| 61) 4-Nitroaniline | 10.48 | 138 | 340264 | 38.95 | ng | # | 80 |
| 62) Azobenzene | 10.60 | 77 | 1304497 | 38.03 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 10.50 | 198 | 89722 | 39.07 | ng | # | 63 |
| 65) n-Nitrosodiphenylamine | 10.57 | 169 | 989323 | 39.76 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.93 | 248 | 299694 | 36.93 | ng | # | 87 |
| 67) Hexachlorobenzene | 11.00 | 284 | 304951 | 37.44 | ng | # | 72 |
| 68) Atrazine | 11.09 | 200 | 300511 | 39.29 | ng | | 96 |
| 69) Pentachlorophenol | 11.18 | 266 | 169740 | 39.79 | ng | | 97 |
| 70) Phenanthrene | 11.41 | 178 | 1440037 | 40.24 | ng | | 99 |
| 71) Anthracene | 11.46 | 178 | 1432667 | 37.38 | ng | | 98 |
| 72) Carbazole | 11.62 | 167 | 1389152 | 38.30 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.95 | 149 | 1820990 | 39.00 | ng | | 100 |
| 74) Fluoranthene | 12.59 | 202 | 1207355 | 36.39 | ng | | 98 |
| 76) Benzidine | 12.73 | 184 | 713214 | 37.79 | ng | | 99 |
| 77) Pyrene | 12.82 | 202 | 1178882 | 37.18 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.45 | 149 | 655611 | 39.17 | ng | | 95 |
| 80) Benzo(a)anthracene | 14.01 | 228 | 875200 | 38.87 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.97 | 252 | 591415 | 37.97 | ng | | 97 |
| 82) Chrysene | 14.04 | 228 | 875014 | 35.95 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.01 | 149 | 749473 | 38.24 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.61 | 149 | 1372791 | 38.86 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 16.84 | 276 | 1038425 | 41.49 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 15.04 | 252 | 964794 | 35.43 | ng | | 100 |
| 88) Benzo(k)fluoranthene | 15.07 | 252 | 994757m | 43.39 | ng | | |
| 89) Benzo(a)pyrene | 15.39 | 252 | 980707 | 39.07 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.87 | 278 | 871334 | 39.77 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.27 | 276 | 837912 | 39.89 | ng | | 97 |

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

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