Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092532.D
Acq On : 26 Jan 2017 18:36
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
mohammad
1/27/2017 3:03:01 PM

Quant Time: Jan 27 01:14:45 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 24 13:48:07 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.98 | 152 | 184515 | 20.00 | ng | | 0.01 |
| 21) Naphthalene-d8 | 8.27 | 136 | 753680 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.04 | 164 | 413682 | 20.00 | ng | | 0.01 |
| 63) Phenanthrene-d10 | 11.53 | 188 | 678857 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.17 | 240 | 501178 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.65 | 264 | 430158 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 906585 | 76.44 | ng | | 0.01 |
| 7) Phenol-d6 | 6.60 | 99 | 1146490 | 75.89 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.55 | 82 | 1150374 | 83.38 | ng | | 0.01 |
| 41) 2,4,6-Tribromophenol | 10.83 | 330 | 239173 | 84.84 | ng | | 0.01 |
| 44) 2-Fluorobiphenyl | 9.36 | 172 | 1693633 | 75.71 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.12 | 244 | 1520512 | 80.79 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.64 | 88 | 231850 | 36.76 | ng | # | 84 |
| 3) Pyridine | 3.39 | 79 | 655029 | 36.48 | ng | # | 85 |
| 4) n-Nitrosodimethylamine | 3.34 | 42 | 309162 | 35.10 | ng | | 83 |
| 6) Aniline | 6.64 | 93 | 878407 | 38.98 | ng | # | 45 |
| 8) 2-Chlorophenol | 6.76 | 128 | 513809 | 41.25 | ng | | 93 |
| 9) Benzaldehyde | 6.52 | 77 | 400995 | 37.41 | ng | | 96 |
| 10) Phenol | 6.61 | 94 | 702042 | 38.50 | ng | # | 73 |
| 11) bis(2-Chloroethyl)ether | 6.70 | 93 | 481614 | 35.30 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 6.92 | 146 | 568806 | 38.61 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.99 | 146 | 561424 | 37.86 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.15 | 146 | 557765 | 39.65 | ng | | 97 |
| 15) Benzyl Alcohol | 7.12 | 79 | 436036 | 38.30 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.25 | 45 | 1004477 | 37.22 | ng | | 92 |
| 17) 2-Methylphenol | 7.23 | 107 | 421749 | 39.62 | ng | | 95 |
| 18) Hexachloroethane | 7.49 | 117 | 197357 | 38.64 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.39 | 70 | 374892 | 36.44 | ng | | 90 |
| 20) 3+4-Methylphenols | 7.38 | 107 | 498961 | 38.64 | ng | | 93 |
| 22) Acetophenone | 7.39 | 105 | 665866 | 37.09 | ng | # | 95 |
| 24) Nitrobenzene | 7.56 | 77 | 506257 | 35.02 | ng | | 100 |
| 25) Isophorone | 7.80 | 82 | 1020616 | 37.54 | ng | | 94 |
| 26) 2-Nitrophenol | 7.88 | 139 | 270016 | 44.58 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.92 | 122 | 442817 | 35.15 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 8.02 | 93 | 702819 | 39.38 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.12 | 162 | 417511 | 38.23 | ng | | 90 |
| 30) 1,2,4-Trichlorobenzene | 8.21 | 180 | 473235 | 40.09 | ng | | 96 |
| 31) Naphthalene | 8.29 | 128 | 1433231 | 37.15 | ng | | 99 |
| 32) Benzoic acid | 8.03 | 122 | 209658 | 24.78 | ng | | 96 |
| 33) 4-Chloroaniline | 8.34 | 127 | 618524 | 37.90 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.41 | 225 | 240631 | 37.27 | ng | | 100 |
| 35) Caprolactam | 8.73 | 113 | 134928 | 37.00 | ng | # | 27 |
| 36) 4-Chloro-3-methylphenol | 8.82 | 107 | 455628 | 38.69 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.99 | 142 | 955404 | 39.12 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.16 | 216 | 434167 | 41.61 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.14 | 237 | 202804 | 38.81 | ng | | 94 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.26 | 196 | 314544 | 39.34 | ng | | 91 |
| 43) 2,4,5-Trichlorophenol | 9.31 | 196 | 318046 | 43.48 | ng | # | 84 |
| 45) 1,1'-Biphenyl | 9.46 | 154 | 1198173 | 40.07 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.48 | 162 | 919671 | 37.65 | ng | | 97 |
| 47) 2-Nitroaniline | 9.57 | 65 | 300670 | 36.56 | ng | | 97 |
| 48) Acenaphthylene | 9.90 | 152 | 1437361 | 40.12 | ng | | 97 |
| 49) Dimethylphthalate | 9.76 | 163 | 966063 | 36.72 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.82 | 165 | 234601 | 43.63 | ng | # | 72 |
| 51) Acenaphthene | 10.08 | 154 | 921225 | 41.38 | ng | | 98 |
| 52) 3-Nitroaniline | 9.98 | 138 | 266434 | 39.56 | ng | | 98 |
| 53) 2,4-Dinitrophenol | 10.09 | 184 | 115667 | 45.17 | ng | # | 43 |
| 54) Dibenzofuran | 10.25 | 168 | 1208612 | 39.99 | ng | | 91 |
| 55) 4-Nitrophenol | 10.14 | 139 | 245002 | 45.81 | ng | # | 79 |
| 56) 2,4-Dinitrotoluene | 10.22 | 165 | 339066 | 47.51 | ng | # | 85 |
| 57) Fluorene | 10.59 | 166 | 964229 | 43.02 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.36 | 232 | 236300 | 43.11 | ng | | 96 |
| 59) Diethylphthalate | 10.45 | 149 | 953066 | 37.78 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.58 | 204 | 446136 | 41.04 | ng | # | 85 |
| 61) 4-Nitroaniline | 10.60 | 138 | 269652 | 40.04 | ng | | 94 |
| 62) Azobenzene | 10.74 | 77 | 1101463 | 38.37 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 10.64 | 198 | 185705 | 50.48 | ng | | 83 |
| 65) n-Nitrosodiphenylamine | 10.69 | 169 | 810191 | 38.22 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 11.07 | 248 | 275307 | 40.17 | ng | | 92 |
| 67) Hexachlorobenzene | 11.14 | 284 | 281761 | 40.67 | ng | | 99 |
| 68) Atrazine | 11.23 | 200 | 315363 | 43.46 | ng | | 95 |
| 69) Pentachlorophenol | 11.33 | 266 | 181599 | 41.00 | ng | | 98 |
| 70) Phenanthrene | 11.55 | 178 | 1312568 | 35.11 | ng | | 99 |
| 71) Anthracene | 11.61 | 178 | 1510716 | 41.35 | ng | | 98 |
| 72) Carbazole | 11.76 | 167 | 1274771 | 36.54 | ng | | 99 |
| 73) Di-n-butylphthalate | 12.09 | 149 | 1583982 | 39.71 | ng | # | 98 |
| 74) Fluoranthene | 12.74 | 202 | 1356915 | 37.11 | ng | | 98 |
| 76) Benzidine | 12.86 | 184 | 837576 | 45.02 | ng | | 99 |
| 77) Pyrene | 12.97 | 202 | 1456170 | 40.10 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.59 | 149 | 639368 | 43.46 | ng | | 97 |
| 80) Benzo(a)anthracene | 14.16 | 228 | 1121646 | 41.64 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.12 | 252 | 437967 | 42.83 | ng | # | 96 |
| 82) Chrysene | 14.20 | 228 | 1200095 | 41.72 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.15 | 149 | 833541 | 44.99 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 14.76 | 149 | 1494400 | 44.43 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 17.15 | 276 | 898280 | 42.21 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 15.22 | 252 | 1000756 | 36.24 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 15.25 | 252 | 1001640m | 43.62 | ng | | |
| 89) Benzo(a)pyrene | 15.60 | 252 | 940916 | 40.28 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 17.17 | 278 | 774802 | 41.01 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.61 | 276 | 780678 | 40.86 | ng | # | 92 |

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

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