Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
Data File : BF093650.D
Acq On : 14 Mar 2017 11:15
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
mohammad
3/15/2017 5:38:49 PM

Quant Time: Mar 15 04:41:43 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 15:05:08 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.71 | 152 | 189128 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.00 | 136 | 795989 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.76 | 164 | 356046 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.25 | 188 | 630894 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.90 | 240 | 485880 | 20.00 | ng | | 0.01 |
| 86) Perylene-d12 | 15.31 | 264 | 344065 | 20.00 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.29 | 112 | 995823 | 87.63 | ng | | -0.02 |
| 7) Phenol-d6 | 6.37 | 99 | 1160659 | 81.00 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.29 | 82 | 1190758 | 83.00 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.56 | 330 | 195418 | 84.24 | ng | | 0.01 |
| 44) 2-Fluorobiphenyl | 9.09 | 172 | 1658429 | 86.64 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.84 | 244 | 1500348 | 80.28 | ng | | 0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.18 | 88 | 249653 | 39.89 | ng | # | 81 |
| 3) Pyridine | 2.86 | 79 | 568421 | 35.62 | ng | | 89 |
| 4) n-Nitrosodimethylamine | 2.84 | 42 | 343950 | 45.12 | ng | | 85 |
| 6) Aniline | 6.38 | 93 | 689412 | 35.05 | ng | # | 83 |
| 8) 2-Chlorophenol | 6.50 | 128 | 513447 | 40.33 | ng | | 96 |
| 9) Benzaldehyde | 6.26 | 77 | 286265 | 29.42 | ng | | 90 |
| 10) Phenol | 6.38 | 94 | 751977 | 42.82 | ng | # | 76 |
| 11) bis(2-Chloroethyl)ether | 6.45 | 93 | 679867 | 47.90 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 6.64 | 146 | 596569 | 40.94 | ng | # | 91 |
| 13) 1,4-Dichlorobenzene | 6.72 | 146 | 615834 | 41.27 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.88 | 146 | 539889 | 40.86 | ng | | 97 |
| 15) Benzyl Alcohol | 6.88 | 79 | 341477 | 33.43 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.00 | 45 | 981185 | 41.62 | ng | # | 40 |
| 17) 2-Methylphenol | 7.00 | 107 | 455877 | 42.33 | ng | # | 89 |
| 18) Hexachloroethane | 7.21 | 117 | 211744 | 42.08 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 7.14 | 70 | 422656 | 42.90 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.16 | 107 | 639106 | 45.76 | ng | # | 74 |
| 22) Acetophenone | 7.13 | 105 | 777641 | 40.60 | ng | # | 98 |
| 24) Nitrobenzene | 7.30 | 77 | 649537 | 40.28 | ng | | 94 |
| 25) Isophorone | 7.54 | 82 | 1163207 | 40.21 | ng | # | 92 |
| 26) 2-Nitrophenol | 7.62 | 139 | 286634 | 38.96 | ng | # | 81 |
| 27) 2,4-Dimethylphenol | 7.68 | 122 | 443979 | 37.10 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.76 | 93 | 731129 | 40.03 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.89 | 162 | 433421 | 38.50 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 7.94 | 180 | 439484 | 36.71 | ng | | 95 |
| 31) Naphthalene | 8.02 | 128 | 1564085 | 39.21 | ng | | 99 |
| 32) Benzoic acid | 7.85 | 122 | 242749 | 39.04 | ng | | 97 |
| 33) 4-Chloroaniline | 8.10 | 127 | 600079m | 37.07 | ng | | |
| 34) Hexachlorobutadiene | 8.14 | 225 | 239616 | 38.85 | ng | | 98 |
| 35) Caprolactam | 8.48 | 113 | 147024 | 38.24 | ng | # | 36 |
| 36) 4-Chloro-3-methylphenol | 8.60 | 107 | 503087 | 41.87 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.72 | 142 | 978654 | 38.56 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.89 | 216 | 425942 | 43.81 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.87 | 237 | 72545 | 37.19 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.02 | 196 | 259069 | 42.65 | ng | | 95 |
| 43) 2,4,5-Trichlorophenol | 9.08 | 196 | 264235 | 40.54 | ng | # | 90 |
| 45) 1,1'-Biphenyl | 9.18 | 154 | 1131858 | 43.64 | ng | | 95 |
| 46) 2-Chloronaphthalene | 9.21 | 162 | 926510 | 46.67 | ng | | 97 |
| 47) 2-Nitroaniline | 9.33 | 65 | 359321 | 51.20 | ng | | 98 |
| 48) Acenaphthylene | 9.62 | 152 | 1457079 | 44.50 | ng | | 99 |
| 49) Dimethylphthalate | 9.50 | 163 | 1034852 | 43.84 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.57 | 165 | 225955 | 43.63 | ng | # | 63 |
| 51) Acenaphthene | 9.80 | 154 | 861514 | 44.49 | ng | | 96 |
| 52) 3-Nitroaniline | 9.75 | 138 | 265184 | 42.62 | ng | | 88 |
| 53) 2,4-Dinitrophenol | 9.88 | 184 | 107100 | 45.41 | ng | # | 63 |
| 54) Dibenzofuran | 9.97 | 168 | 1123565 | 46.36 | ng | | 99 |
| 55) 4-Nitrophenol | 9.96 | 139 | 72705m | 24.06 | ng | | |
| 56) 2,4-Dinitrotoluene | 9.98 | 165 | 315377 | 49.56 | ng | # | 82 |
| 57) Fluorene | 10.31 | 166 | 889173 | 43.30 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.10 | 232 | 198520 | 43.16 | ng | | 96 |
| 59) Diethylphthalate | 10.20 | 149 | 1046531 | 46.39 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 10.30 | 204 | 403368 | 43.82 | ng | | 97 |
| 61) 4-Nitroaniline | 10.37 | 138 | 234547 | 36.86 | ng | | 95 |
| 62) Azobenzene | 10.46 | 77 | 1083039m | 42.25 | ng | | |
| 64) 4,6-Dinitro-2-methylphenol | 10.40 | 198 | 128668 | 31.48 | ng | | 81 |
| 65) n-Nitrosodiphenylamine | 10.42 | 169 | 782220 | 37.13 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.79 | 248 | 242277 | 36.32 | ng | | 98 |
| 67) Hexachlorobenzene | 10.86 | 284 | 234321 | 36.78 | ng | # | 73 |
| 68) Atrazine | 10.96 | 200 | 218860 | 35.50 | ng | | 99 |
| 69) Pentachlorophenol | 11.08 | 266 | 90912 | 41.33 | ng | | 98 |
| 70) Phenanthrene | 11.27 | 178 | 1322395 | 36.72 | ng | | 99 |
| 71) Anthracene | 11.33 | 178 | 1395253 | 38.30 | ng | | 99 |
| 72) Carbazole | 11.50 | 167 | 1413783 | 41.31 | ng | | 97 |
| 73) Di-n-butylphthalate | 11.82 | 149 | 1610012 | 40.67 | ng | # | 96 |
| 74) Fluoranthene | 12.47 | 202 | 1388489 | 39.92 | ng | | 93 |
| 76) Benzidine | 12.62 | 184 | 224835 | 14.07 | ng | | 98 |
| 77) Pyrene | 12.70 | 202 | 1434662 | 40.60 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.30 | 149 | 640087 | 43.03 | ng | | 90 |
| 80) Benzo(a)anthracene | 13.89 | 228 | 1091536 | 38.04 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.85 | 252 | 334115 | 33.25 | ng | # | 97 |
| 82) Chrysene | 13.92 | 228 | 981751 | 36.98 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.87 | 149 | 867343 | 41.83 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.48 | 149 | 1430821 | 41.40 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 16.65 | 276 | 760454 | 34.22 | ng | # | 93 |
| 87) Benzo(b)fluoranthene | 14.91 | 252 | 805566m | 38.44 | ng | | |
| 88) Benzo(k)fluoranthene | 14.93 | 252 | 879525m | 43.52 | ng | | |
| 89) Benzo(a)pyrene | 15.25 | 252 | 789451 | 41.22 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.65 | 278 | 655707 | 41.39 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.05 | 276 | 681716 | 41.92 | ng | # | 92 |

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

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