Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011916\
Data File : BF084551.D
Acq On : 19 Jan 2016 14:47
Operator : SJ/UM
Sample : PB87864BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB87864BS

Manual Integrations APPROVED
mohammad
1/20/2016 2:22:26 PM

Quant Time: Jan 20 02:58:12 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.80 | 152 | 209276 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 8.08 | 136 | 851954 | 20.00 | ng | | -0.05 |
| 38) Acenaphthene-d10 | 9.84 | 164 | 424941 | 20.00 | ng | | -0.03 |
| 63) Phenanthrene-d10 | 11.32 | 188 | 798959 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 13.95 | 240 | 576280 | 20.00 | ng | | -0.05 |
| 86) Perylene-d12 | 15.36 | 264 | 468440 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.40 | 112 | 1332811 | 103.01 | ng | | -0.03 |
| 7) Phenol-d6 | 6.44 | 99 | 1838595 | 113.15 | ng | | -0.03 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 1279060 | 83.56 | ng | | -0.03 |
| 41) 2,4,6-Tribromophenol | 10.62 | 330 | 475842 | 110.92 | ng | | -0.05 |
| 44) 2-Fluorobiphenyl | 9.16 | 172 | 2007111 | 82.94 | ng | | -0.03 |
| 78) Terphenyl-d14 | 12.91 | 244 | 2173296 | 84.18 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.44 | 88 | 214142 | 34.94 | ng | # | 71 |
| 3) Pyridine | 3.14 | 79 | 492808 | 28.84 | ng | # | 71 |
| 4) n-Nitrosodimethylamine | 3.09 | 42 | 284485 | 32.43 | ng | # | 75 |
| 6) Aniline | 6.45 | 93 | 449672 | 18.92 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.58 | 128 | 600449 | 40.90 | ng | | 89 |
| 9) Benzaldehyde | 6.34 | 77 | 60052 | 5.68 | ng | | 88 |
| 10) Phenol | 6.45 | 94 | 713690 | 38.63 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 6.53 | 93 | 575328 | 40.20 | ng | # | 83 |
| 12) 1,3-Dichlorobenzene | 6.73 | 146 | 611790m | 40.40 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.81 | 146 | 607681 | 40.02 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.97 | 146 | 611096 | 42.02 | ng | | 98 |
| 15) Benzyl Alcohol | 6.94 | 79 | 510147 | 37.32 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.08 | 45 | 974395 | 37.39 | ng | | 88 |
| 17) 2-Methylphenol | 7.06 | 107 | 467391 | 37.99 | ng | | 94 |
| 18) Hexachloroethane | 7.31 | 117 | 250316 | 41.22 | ng | # | 87 |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70 | 438116 | 39.83 | ng | # | 80 |
| 20) 3+4-Methylphenols | 7.22 | 107 | 615513 | 42.56 | ng | # | 85 |
| 22) Acetophenone | 7.21 | 105 | 833560 | 40.69 | ng | # | 97 |
| 24) Nitrobenzene | 7.38 | 77 | 599388 | 38.61 | ng | | 96 |
| 25) Isophorone | 7.62 | 82 | 1144499 | 39.09 | ng | | 99 |
| 26) 2-Nitrophenol | 7.70 | 139 | 330259 | 46.74 | ng | # | 87 |
| 27) 2,4-Dimethylphenol | 7.74 | 122 | 584842 | 40.89 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 7.84 | 93 | 726183 | 40.61 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.95 | 162 | 505578 | 42.44 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 8.02 | 180 | 518991 | 42.20 | ng | | 96 |
| 31) Naphthalene | 8.10 | 128 | 1639072 | 42.40 | ng | | 99 |
| 32) Benzoic acid | 7.88 | 122 | 370806 | 41.30 | ng | | 98 |
| 33) 4-Chloroaniline | 8.16 | 127 | 224006 | 12.64 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.22 | 225 | 313894 | 44.40 | ng | | 98 |
| 35) Caprolactam | 8.52 | 113 | 174690m | 43.49 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.65 | 107 | 556511 | 41.70 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.80 | 142 | 1190574 | 42.91 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 470193 | 38.49 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.96 | 237 | 549889 | 74.56 | ng | | 100 |

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Quant Time: Jan 20 02:58:12 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.08 | 196 | 352153 | 38.53 | ng | | 94 |
| 43) 2,4,5-Trichlorophenol | 9.13 | 196 | 374644 | 42.76 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.26 | 154 | 1446700 | 42.84 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.29 | 162 | 1086336 | 40.95 | ng | # | 89 |
| 47) 2-Nitroaniline | 9.38 | 65 | 322233 | 36.80 | ng | | 97 |
| 48) Acenaphthylene | 9.70 | 152 | 1609461 | 41.07 | ng | | 97 |
| 49) Dimethylphthalate | 9.57 | 163 | 1298363 | 42.74 | ng | # | 91 |
| 50) 2,6-Dinitrotoluene | 9.63 | 165 | 308074 | 46.24 | ng | # | 89 |
| 51) Acenaphthene | 9.87 | 154 | 1031733m | 39.24 | ng | | |
| 52) 3-Nitroaniline | 9.79 | 138 | 139098 | 16.85 | ng | # | 95 |
| 53) 2,4-Dinitrophenol | 9.90 | 184 | 336697 | 116.91 | ng | # | 89 |
| 54) Dibenzofuran | 10.04 | 168 | 1354622 | 39.42 | ng | | 92 |
| 55) 4-Nitrophenol | 9.97 | 139 | 451352 | 75.31 | ng | # | 83 |
| 56) 2,4-Dinitrotoluene | 10.03 | 165 | 359793 | 42.67 | ng | # | 91 |
| 57) Fluorene | 10.38 | 166 | 1108981 | 41.96 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.17 | 232 | 307531 | 41.11 | ng | | 88 |
| 59) Diethylphthalate | 10.27 | 149 | 1304221 | 43.54 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.37 | 204 | 503515 | 45.39 | ng | # | 88 |
| 61) 4-Nitroaniline | 10.41 | 138 | 271774 | 36.93 | ng | | 92 |
| 62) Azobenzene | 10.53 | 77 | 1299219 | 39.55 | ng | | 86 |
| 64) 4,6-Dinitro-2-methylphenol | 10.44 | 198 | 234908 | 48.60 | ng | | 79 |
| 65) n-Nitrosodiphenylamine | 10.50 | 169 | 976124 | 38.21 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.86 | 248 | 330037 | 38.38 | ng | # | 78 |
| 67) Hexachlorobenzene | 10.93 | 284 | 392718 | 40.57 | ng | | 95 |
| 68) Atrazine | 11.04 | 200 | 333435 | 39.89 | ng | | 90 |
| 69) Pentachlorophenol | 11.13 | 266 | 368892 | 73.50 | ng | | 98 |
| 70) Phenanthrene | 11.34 | 178 | 1757545 | 42.05 | ng | | 96 |
| 71) Anthracene | 11.39 | 178 | 1687986 | 41.20 | ng | | 99 |
| 72) Carbazole | 11.55 | 167 | 1441058 | 35.98 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.89 | 149 | 1956151 | 46.29 | ng | | 99 |
| 74) Fluoranthene | 12.53 | 202 | 1832180 | 41.97 | ng | | 93 |
| 76) Benzidine | 12.65 | 184 | 446941 | 21.63 | ng | | 99 |
| 77) Pyrene | 12.76 | 202 | 1857431 | 41.07 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.38 | 149 | 773700 | 39.54 | ng | | 88 |
| 80) Benzo(a)anthracene | 13.94 | 228 | 1420099 | 41.97 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.91 | 252 | 345558 | 29.26 | ng | # | 94 |
| 82) Chrysene | 13.99 | 228 | 1473942 | 45.33 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.94 | 149 | 982870 | 39.76 | ng | # | 100 |
| 84) Di-n-octyl phthalate | 14.56 | 149 | 1708359 | 40.93 | ng | # | 90 |
| 85) Indeno(1,2,3-cd)pyrene | 16.72 | 276 | 1047485 | 40.64 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 14.97 | 252 | 1432894m | 46.76 | ng | | |
| 88) Benzo(k)fluoranthene | 14.99 | 252 | 976645m | 38.97 | ng | | |
| 89) Benzo(a)pyrene | 15.30 | 252 | 1093676 | 42.08 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 16.74 | 278 | 864477 | 38.65 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 17.13 | 276 | 891127 | 38.48 | ng | | 99 |

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

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